# SCIENTIFIC WONDERS

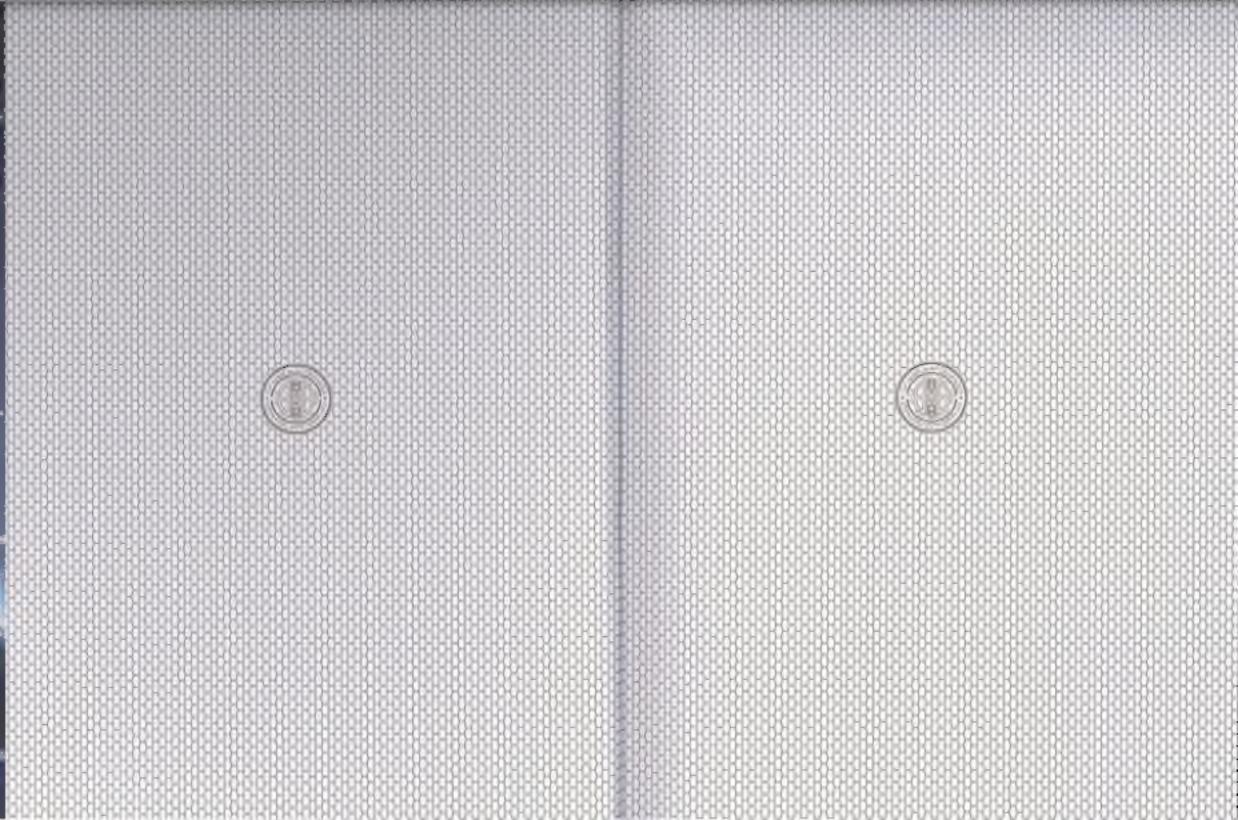
ON THE EARTH & IN SPACE



Yusuf Al-Hajj Ahmad









Scientific Wonders on the Earth & in Space





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# Scientific Wonders on the Earth & in Space



#### Yusuf Al-Hajj Ahmad

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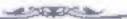
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In the Same of Allah the Most Gracious, the Most Merciful



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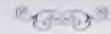
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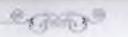
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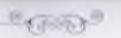
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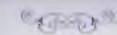
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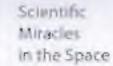




III III The Excellence of Makkah over other Localities











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The Birth of the Universe







# Line ( ) South

## Author's Note

All praise is due to Allah. We praise Him and we seek for His assistance and forgiveness. We seek refuge with Him from the evils of our own souls and from our misdeeds. No one can mislead whomever Allah guides and no one can guide whomever Allah causes to go astray.

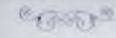
I testify that there is no deity worthy of worship except Allah. He is One and He has no partner. I also testify that Muhammad is His Slave and Messenger. Allah sent him with the religion of guidance so that it may prevail over all other religions even if the disbehevers dislike that.

Speaking about scientific miracles has become a necessity these days, as knowledge has made great and rapid strictes that cannot be stopped even for a moment. Everyday there are new inventions and astounding discoveries. All this strenghtens a Believer's faith and increases confusion in the confused person.

Allah has blessed me with collecting all the conclusions that have been arrived at by the leaders in this art of scientific and medical miracles. I, then, decided that this compilation should comprehensively include every topic relating to miracles either from the Qur'an or from the authentic Samult. Some repetitions may be found in this work due to some benefits such as considering the differences in the scholars' methodologies of writing about one topic. The wisdom of this may be found in the popular saying, "You might find in a stream what you might not find in a sea,"

Dear reader, on my part I have selected for you the most comprehensive, most authentic, most modern and most beautiful of these proofs. For the purpose of authentication, some of the specialists in these fields have shared their knowledge with me. I would mention, as an example, Dr. Muhammad Harb, a specialist obstetrician and gynecologist and Jihad 'Inayah and Mahtr Kabab, who are both pharmacists. I am very grateful to them.

There is no doubt that this work that you are reading, as a first



step on what the modern science has arrived at in our contemporary times, has already been mentioned in the Qur'an and mentioned by the Messenger of Allah, peace be upon him, more than 1,400 years ago. This is certainly not going to be the end either. There shall continue to be more and more discoveries that will show humanity that the Qur'an is truly Allah's Word, Allah says about the Qur'an:

"Faisehood cannot come to it from before it or behind it, (it is) sent down by the All-Wise, Worthy of all praise (Allah, Glorified and Exalted be He)." (Soorah Fussilat 41:42)

He also says:

"Nor does he speak of (his own) desire, it is only a Revelation revealed." (Soorah An-No)m 53:3-4)

This books discusses many topics. The main sections are: Miracles in the Earth and Miracles in astronomy, which are the most important topics discussed in this work. I besench Allah to make all that I have collected and written to make a reminder for those who have sound hearts, the ability to listen and have presence of mind, and to make it purely for life sake and to benefit me and the Muslims as a whole with it, Indeed, He has power over all things and life is worthy of accepting prayers. All praise is due to Allah, the Lord of the worlds. May the blessings and peace of Allah be upon our leader Muhammad, his family and his Companions.

Servant of the Sunnah Yusuf Al-Hajj Ahmad









## The Scientific Wonders on the Earth

The miracles of the Que an regarding of a surrounding environment his case and an mate plants and absentiongank materix, and hear evidences that the Que on is the Nord of Adam, the lord who readed them.

The Qur'an urges us to ponder exer and inquire into the creation forth so that the screen as a parallel mange of a reason the esposer of a tails verses have to losved others encouraging the man a ponder over the Earth and its optents what is the second whom its

A ab the Vost High says

﴿ لَحَنَّ السَّمْرِبِ وَ الرَّبِي أَسْتُحَبُّرُ مِنْ عَلْقِ النَّالِينِ وَلَكِنَّ أَسْتُكُمُّ ٱلنَّالِينَ لَا يُعْلَمُونَ ﴾

'The creation of the heaven and the Earth is indeed greater than the Creation of mankind, and yet most mankind know not carorab Chafe 40:57



## Earth's Movement

Asah, the Most High, says

ام وری مل مصب عبد وجو منز مر الساب مُسع الله الدی آتش کا سیرو پید حبر به محکوک اید

'And you will see the mountains and think them solid but they shall pass away as the passing away of clouds. The work of Allah, Who perfected all things, verily He is Well Acquainted with what you do. Sourch An-Norm; 27:88)

. storca antecedent,

People has observed in the past that the Earth's stationary and as such their phi that it was the centre of the universe and that it does not move where the relieved bosons includely the statis and other bosons move in complex orbits around it called epicycles. This was first proposed by the assonomer and mathematician, raud as "tolermans, and was accepted for several centuries. Some of the assonomers later studied the enovement of the Earth around the sun, and Nicholas operations decided the model of middle ordinary, has the spheres of the

tived stars were stationary and that their apparent movements are only due to the movements of the Earth and the non-movement of the sun However, the radical core of his theory was rejected or agnored

The Greek philosopher and mathematician, Pythagoras, also mentioned the movement of the Earth but he was not really able to a continuous or half of physic standard moment about the extreme the fitteenth century and the early parts of the stateenth movement so the hard extreme as they are very horse to be stateenth the Copernican heliocentric theory of a sun-centered universe. Then came johannes Kepler in the six beenth century and presented proofs to establish the movement of the Earth and other celestral bodies.

#### Scient he Facts

The Earth moves in two basic ways: spinning movement on its

next axis (rolation) and in a circle around the sun (revolution)

- in its own axis in a period of (23 hrs 56 min 4.1 sec.)
- 3. The speed of the farth's movement at the equatorial regions is about 1,670 km/h which is about 465 m/s and it reduces with the latitudes up to 312 m/s at 50



- degrees and is completely unnoticed at the poles.

  These extrements a phonomera poult from the out-
- 4 Three astronomical phenomena result from the rotation of the Earth on its own axis
- a. Day and Night and their succession
- b. Difference in timing across the Earth's surface
- e. Induction of a centr fugal force felt strongly at the equatorial regions

The Solar System in which we five comprises a family connected arrangement which includes the sun and nine planets (currend) when a symmetry makes life each characteristic management the third planet from the sun and it comprehes its revolution around an abree hundred and sixty days and a quarter

The Enry a write of the American Academy of Science save: The Earth rotates on its axis (spin axis) in the period of a day and reverses are entitled son in the period of a year [...] and its average speed during its revolution reaches about 30 [...] The planets in the Solar System also have moons (satellites) four revolve round them of which forty-name 19) are currently known even when there are strong indications of the occurrence of others particularly around Uranus and Nephane which are as in the farthes. If the late we stands from sun. As for the Late we moon, it completes one revolution around it in 27 days, 7 hours, 43 minutes increasing as it moves from one similar phase to the other



The Solar System also makes a part of the large disk-shaped single aggregation of stars (galaxy) called the Maky Way which contains millions (in fact, bit ions) of other huge stars each of which also moves on its axis at different speeds. The galaxy rotates around an axis joining he galaxie poles and by implication, the sun (one of the billion stars in the galaxy), and its planets also move as the huge mass does for the following the part of planets also move as the huge mass does for the outer part of planets (the galaxy) takes 200 million stars to complete minute planets discontre of the galaxy).

The movement of the Earth round the sun was not known in astronomy until the sixtrenth rentury from the works of the Polish astronomy until the sixtrenth rentury from the works of the Polish astronomy and the sixtrenth Nicolass operators who developed the heliocentric model of the Solar System, in which the sun is stationary and the Earth and the known planets move around it, as is mentioned in the New British Ency spedia. This was a clear departure from the prevalent model. Protenty's model, that the tarth was sufficient as the centre of the universe. Thus, the New British Encyclopedia says. In the 2<sup>nd</sup> century CE, Ptolemaus proposed his model of the universe with the Earth at its centre and this model was accepted for more than 1000.

The world waited until Keplez came in the 17th century and established the scientific fact that everything in the universe including the moons and stars are in concountance with it moving in specific paths (orbits)

Looking at the Qur on, we find that in His saying

'And you will see the mountains and think them solid but they shall pass away as the passing away of clouds.

but markind sees them firm and stationary. Here are astronomers saving that the Earth rotates together with the creatures on it — both living and non-living with the same speed. Thus, we would regard the mountains as stationary while in the real sense it rotates with the Earth.

'And you will see the mountains and think them solid but they shall part away as the passing away of clouds

Hence, each of the sun, the moon and the Barth swim in paths or orbits that are exclusive to each of them

The point of wonder in the Verse of the Qur ao is that the Yerse points to the movement of the Earth on the basis of His saying, — h. t they shall pain away as the prising many of clouds. If which only became known to science in the 17° century CE.

The Glorious Qur'an says the movement of the Earth and the expressions are clear and concise as it is from the Wise and Well-Vegoa noted leaving nothing to doubt among the people of kinds recognition. He, the Most High, says in a marriellous manner — the mainter of the Qur an

"And you will see the mountains and think them solid but they shall pass away at the passing away of clouds. The work of Allah, who perfected all things, verify Ho is Well-Acquainted with what you do." (Soomh An-North 27:88)

The Verse proves that all the bodies that expenence gravity (Like the mountains and seas and the atmosphere among others also rotate together with the Earth in its daily rotation on its own axis and its annual revolution around the sun. As a result, of it, about a half of the

£3--57

Earth expenences larkness in the might while about the other half witnesses daylight due to the Earth's rotation. However this movement is not directly perceived because I in like the movement of the clouds in the sky



10

he moderncay science has made it known

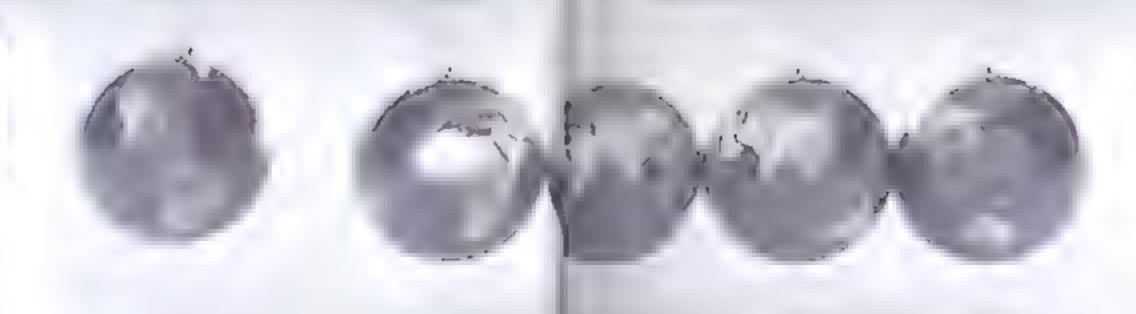
that the night covers half of the Earth. And the rest of it where the day appears is the atmosphere is sering the Earth which is like a thin peet.

It is not seen to see the fact, one see his time rays considered which were formed due to the reversal of the rays from the sun appear over various areas in the atmosphere bringing about the daylight. Thus the movement of the Earth brings about the appearance of the lay over the right. And Allah, the Most High, says

# ﴿ رَبَّاتِهُ لَهُمُ الْتِلْ سَلَّعُ بِنَهُ النَّهِ ﴿ وَمَا هُمْ تُطْلِيلُونَ ﴾

'And a sign for them is the night. We withdraw therefrom the day and behold they are in darkness.' (Soorah Yo Seen 36.37)

Private a continent shaping oil the About Mayer's a mulaineer.



# Earth's Gravity

A ab the Most dight in so all in some sond

﴿ أُرْجَهِ ٱلْأَرْزِكِمَا ﴿ لَئِنْهُ رَائِهُ وَأَرْجَهِ الْأَرْا ﴾

"Have We not made the Earth a receptacle for the living and the dead?" (Soorah Mujudian) 27-25-26,

The word Kifatan is derived from the verb Ka-fit-la = Yak-fi-ta = meaning, to attract it and grab it and bind it. So, one of the attributes of the Earth is that a act only grabs and binds. These Verses cut at a point to the graps 1. It is everyte up in the finally and interesting the final property of objects is their one. I natraction lesson, the finally which is also related to the mass of the Earth.

An object that weight a hundred knogram on Earth weight a sixth of that on the mond, a man whose weight on Larth is sixty knogram as all only weight for knogram on the mond be the weight of an

high is bourdedy away the arthursh the wagh of an sheet in action, as its play to own title control of he moon. A ab Most Elighsays

# والرجيل الأرس كهذا ﴿ لَيْهُ رَافِرُنَّا ﴾

Have We not made the Earth a receptacle for the living and the dead?"

Now, the points to pender are now would alle be a thout gravity? How would water settle on the surface or the Earth is thou gravity? Not how will the atmosphere remain attached to the Earth is then stream? When it not that he Earth puts the atmosphere to disc. The latter would have been still while the Earth moves. And with the mexemen of the Earth and the silves of the atmosphere some large currents of high velocity winds (humicanes or cyclones, etc.) of more than a their sould and six huncied a terral ters per hour, and apartic if destroying exerciting in the farth would arise! Who made the





And who made the seas attached the barris by the report the gravitational pull?

The state of weightlesiness is very difficult to best. Allah, Mighty and Sublime, says

# ﴿ اللَّهُ جَمَّالُ الأَرْسِ قَدَارًا ﴾

To not He Who has made the Earth as a fixed abode 17' (Soorch An-Hard 27:52).

So we should seek made in relations and a visible and made brings on a steady and attitude on the some hope which would be improved to without on grain assential pull some has the geht had not be end made will be pulled toward, he furth to be burge, on a but allah, A mighty says.

# وارجر الاسكة الاسكة

"Have We not made the Earth a receptacle for the living and the dead."

Thus the remy expression to be hards and attracted to as well as the dead) which refers to his weight on it.

When a tracky to his houses



# Haphazard Zigzag Motion

Sharkh Zinguani said: At one of the important world summits of sign asts in signal had one of the boranists in his paper said. A verse in the Citir an which intermed as if some lasts more than 1,400 years ago only known to us being Husaid had in 1912 of this life of botanis. It specificates have sensitible when rainwater drops in the ground not particles of the substitute for it was suffered. But its particles overvisinall particles of hamesers no greater than 200mm, begin a haphazard transportation. These time graits verse is size one composition reflecting in the first high lacked lacenting. I should also the when the water drops in a tromates the particles whose properties are a tunction of their original chemical composition.

The ionization (being dissociated into ions, an ion is an atom or many diatoms that ioses are electron and is as such called a departure ion or gazes an electron and is referred to as positive ion) agitates the particles and water percovates after the mansacrist agitating the particles or that it



provides spaces within the crossic packet learns is accompanied which aids agriculture and a so reads to the product at a minute of groundwater.

1 2

Even when there is permissible Rib. Accomen. An problemed Rib. aromen. An aromen. An aromen. A the same aromen. An interest of the same aromen. An aromen. An aromen. A the same aromen. A the same aromen. A the same aromen. A transfer of the plants obtain water for a seried in two or three counts. Somether from these reservoirs, the water would saw deep into the ground and the plants water for a series. By as a said when a races is quite grantiles are surred.

Who discovered this? Robert Brown in 1827 C.E. and he named this hapmazard zorzag motion of the grammes. Brown as shottom, has personally be that the ham a send before the second of not mention Brown as the risk to speak about this, rather they should say the first to mention it is the Qur'an as shall be shown below.

Allah, the Mighty and Subismo, savs:

"And you see the Earth barren, but when We send down water it is stirred to the and it wills and puts forth every lovely kind of growth)." (Soorah Ar-Haij 22:5)

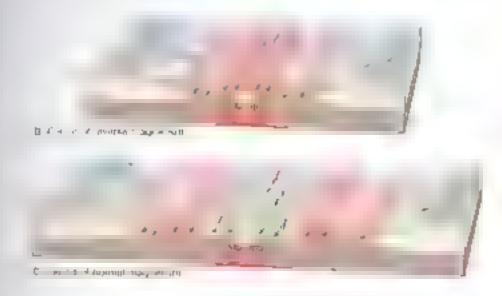
Who in "the Muhammad peace and one series of keah be open him this precise information." Who in med him of the secrets in the sectors and the Earth and various revels of the atmosphere above, the secrets in the beavens the commencement of creation. Who in smed him of an these "fine the Qur an the greatest marticle."

If you were to see he start of Moosa peace be upon him changing in a mostific serpent our would have seen a single Sign but as for the Qui an all of the Sign but and creek to see in the year of somes. A job Most High says

# يه قل يو سيء اكثر مسيد أن التمُّ سهد جي وجنكم وأوجى إلى هذا الفرماد بالجدائم بير وس ياج ع

"Say (O Muhammad): 'What thing is the greatest in witness?' Say Allah (the Greatesti) is Witness between me and you; this Qur'an has been revealed to me that I may herewith warn you and whomsoever it may reach" (Soorch Al-Antom 6:19)

O Allah, Thinve conveyed (your message). O Allah, bear witness to this?



#### Summary

When wave drops on the porticles of the soliday citizate and several a haphazard zig cay manner meaning that the ground charth sideates, "it sist more than the processor water percolation through the trues and other independent of the particles is not used and so through other particles improving that "it sixed s" becoming expanded a most confer the preservation of water measures for the up early better plants and other expansions absence and due egyptation germanates from below the Earth's solitace through the spread or its most and tone roothans and with the arth becomes what "purs torth growth

and her the germination appears in a planty sour acceptance by per and bears fruit as a favor and sustenance for the creatures. All these Viscolate in the creature and some measure one of is for a the making anything Most English per per acceptance the creation of all things.

Thouk then at the effects (results) of Allah's Mercy, how He revives the Earth after its death. Verily! That (Allah) Who revived the Earth after its death shall indeed raise the dead (on the Day of Resurrection), and He is Able to do all things." (Soorah Ar-Room 30:50)



# The Excellence of Makkah over other Localities

Allah, Most High, says

فا والله أ. العرى ومن حول به

"And so that you may warn the Mother of Towns (i.e. Makkah) and all those around it." (Soorah Al An'am 6-92).

Internal American A. T. much reported from Mai Hara rah may what be pressed with horse who said. The Prophet peace and blessings be procedured at Amiraxwarah and said. I know the sour are the west praction A able for hard the most believed at the A sable the that me that wester peace and incline who was to not have be able to the sale that me that see expected in A. Harmarah is by the Hannah and a good are vounded that peace and blessings be upon him, said. They good are you of other and beloved you are to me! Were it not that my knowfolk drove me out of you, I would not reside in other than you."

SCIENTIFIC discovery. which had preoccupied the scientists. and was announced in January, 1977 C.E. says: The Honorable city of Makkah is the centre of the terra Stora This newly discovered fact took years of scientific research and depended on complex mathematical charts for which the researchers sought recourse to computer Stitulations

The Egyptian scientist, Dr. Husain Kamatoddin, reported the story of the extraordinary discovery and said that when



he started the research, his important was completely different. He was new are highly a passe bloom and of assisting our curring to meather as here. they may be a the world in orderion of the climation of the Arbah. because his bound of the heaven self bis mainly promote abroad that this is a main problem faced by every Muslim whenever he is and particular malegal you head a music is at male areign land like happens to the tons of Gousands of to oppositioners would

Therefore, Kamaluddin thought of making new charts of the genestral globe to determine various directions of the Joseph on it After draw up the or ha charts during the pres nanore stages of he work aprepare this map and februaring do this indinents on it this discovery became surprising a citar to him that the oculton of the boly city of Makkah is at the centre of the world.

wild an east of the empass on the location of Makkah and moved the queriedge or the edges of all the continents and a became evident to bem that the terrain major, hi surface of the terrestrial globe. is dis ribited around blackab to an organized enabler. And be bound

Makkah - in the given situation - the centre of the terra firms. He proportion one work mappaged where the discussion of a mentionaling Australia and repeated the procedure and he also found that Makkah the world a grown people the major and property will when the call to Islam started

Kamaluddin added: I had started my research by drawing a map rom which I can speculate the distance of every location on the Earth rom Massiah and then I joined similar lines of longitudes so that I ar sine a how the remesal of the lines or longitudes and faultailes

will be with respect to the nty of Makkah. Thereafter defineated the limits of dicontinents and other details on this grid of tines and the the strang net a appropri complex mathematical trials and computations with the use of computers in the determination of the distances and the required deviations The situation aud required a computer program to delineate the longitudes and latitudes Due to this new removal and by coincidence alone, it was discovered that I should be

Carried to



able to draw a circle whose centre will be at Makkah and its borderlines. outside the six continents and the cincumambient of this circle wmove relative to the limits of the outer conaments.

50. Maiocah by the ordainment of Afash - is the heart of the Earth and this is from what science shows in the discovery of the scientists that it is he entire of myr perior or radiously mayricul serior's Tieff is supported by a work tous phenomenop holes by the one who. visits Valsach to perform the prigramage or in resect prigramage with a repenting heart. He tools he is instanctively attracted in every during in



if a styland, mountains and every pillar in it so much so that he would have been able to deliquescound its exist and to a somework of their heart. This feeling has persisted since the creation of the Earth.

At labe of at only the authors with a similar to that if other planets, if experiences affractions with other planets and stars due to onces generated from its one and the interpretation of a prography was wait an American second of degree of the finite or appography by establishing as on arrence and location geographical, and he was not ment and to that by any originals believe a started to teach it with glorater report your dig supplies mights, refor him was the map of the world and other equipment. In the end, he discovered a numerospond is that he centre of the assemblage of the world's currents is Makkah. From that it because steen had the westlong being disk, noble frequency which

# ﴿ وَاللَّهِ لَيْنَا إِلَا لَهُ مَا مَرِيَّ اللَّهِ وَاللَّهِ وَاللَّهِ وَاللَّهِ وَاللَّهِ وَاللَّهِ ﴾ وأبد بن الله لازت مو يردُ و للتوزنيدُ و النبير ﴾

was based on the statement of Allah

"And thus We have inspired unto you 'O Muhammad' a Qur' an in Arabic that you may warn the Mother of the Town. Makkah, and all oround it And warn of the Day of Assembling, of which there is no doubt, when a party will be in Paradise (those who believed in Atlah and followed what Allah's Messenger brought them and a party in the biazing Fire Hell. Those who disbelieved in Allah and followed not what Allah's Messenger brought them.)" (Soorah Ash-Shu'ng 42:7):

And as a result, it was a understanding the Divinion assert or his selection of Makkah specifical. To be the place of the backed douse of A ah and the selection of Makkah as the core for the spread of the message of Islam to the whole world, buy a soft a gardine in spice as of ting to be found to school expresses the expresses the expresses as obtained ever other places. And Aliah, Most High, knows and judges Best.

\$44-Quay of House his of states our Sussess are feabourgest - Multisversel Court Abdus-Sumed, with some slight additions and adoptations.



## The Arabian Peninsula

than: Milishm and Ahmad reported from Abu Hurainin that the Milistenger of Allah, peace and blessings be upon him, said. The Last Hour will not come until the land of the Arabs returns to a pasturage and large stream."

Sharkh Az-Zipidar, save The scient st and protessor Alfred Kriez, its of his most among passegasts of the world, a tender a people of all money at the Face to of Early Sciences at King Abdu. Aziz, in version I said to him. To you have any evidence that the Arabian.

Personale - the Arabian subcontinent was a vegelative land with more this desert that you see a mark potal and with a see a sea to potal.

geologis sikm with the view of the product of the and with the and was pasturage in the area screens and the evidences are many assistent with the control of the control o

I sate to him. On the have existent a that he Arabian commission seriors as a partitionary or the argust reams. The sate of the serior established that he we greduspess know we have to and use that if and we are

a 3/P approx mate v when that will happen. It is a drailer than as not har from a you the rate. of its mean same to him How is Jin ? He said Constant or have studies Earth's the become in the Pas arru aprid Hat I Dissert



through ages and one of them was the ice Age. What does the Ice Age mean?

If the assistant preal quantity of seawater transforms the expose is and stown accomments at the northern Polar region and gradually moves southward and furing the motion it overs whatever is below and marger the weather to that which is a third and marked to remark that which is that piece in the Arabian emission for which is equipped to be comes could the Arabian Fernosola was become one of the regions in

the world with the most potential and many rivers. I used to correlate the terrectial streams and rainfall in the Abha region in a discribit with the Northetti Europe.

Spanish Zindani Said: sus considering 0 70 m 100 m 25 saving and I said a him the son affirming this to He said: This is a mainty is mevitable: I said to norm steen Who mornest Muhammad peace and blessings be upon him, regarding this And all this is





mentioned in a Fladith reported by Massim, in which he said: "The Last two risk direct mile on differential different above a pasturage and with large streams. Whi will be train much price and blessings to Aliah be upon it in the distance of the Arabs was a pasturage with large streams." He paused and then said: The Romans.

56, I said to him. Who informed him that the land of the Arabs will return as a pasturage and is in large streams? so though deep

and said: From the One above. At this, I said to ham Write, and he write the appropriate the second has that he assessed to be specified as a few parts of the second has a second has a second has a second had a remarks with modern scientific that though. This proves that treatise. Mahammast peace and blessings be upon form a distollight to know this except through Divine revelotion."

As Z ordanisa di donorable brothers this silve prest on oral cerman achersi qui lo isculusireschas milit piace logicale pi le responsibilities of the Militaria for and the treliption and see the readers of or world acceptage islam is the faces on presented to them no past hat then will as pit ferant, rather the world as pot ferant, rather the world as pot ferant, rather the world as for the strength of the same are versions for years we are the first common to and or the bearing an versions for years we are body to except deat a chird of the scientists in the world become Muslims.

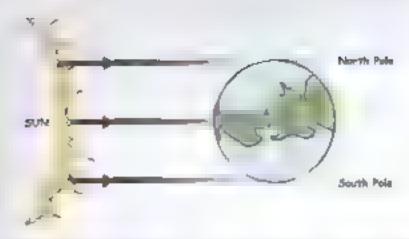
By Atlah, we did not spend mon than two end had hours applied at the saw off these things and has a one of the saw that markets are much one ordered and that Missians have preat responsibilities as never the feath or one hands a runh, which to subspect a most approach it rom to one of it or combobing to this is certain to a period where oversthing solutions is to science to as an at the top animps, the series of solutions of science to issue and the contract that the science is a series that are the science of the science of

# ه سبرمهد سال الامه ود النسب حل بشتى لهن اللوا الزند ونكون برنيف الشرط الله عن رقب أنه

We will show them our signs in the inverse and in their own selves until a becomes manifest to them that this (the Qurian, is the Truth, is it not sufficient in regard to your Lord that He is a witness over all things?" (Soorah Fundler 41:53)

of a property of the state of t

 Thus is the future of the desert in the Arabian Penersula, in stacilitative propriated northwestern hadan and peshaps other fesor's apother responsibility warrance of the same and relievable of shallow a part.



of the truthful and the trustworthy Prophet peace and the saying of the truthful and the trustworthy Prophet peace and blessings of the set of some man over hund ods of years in orm up as continued by an expert American map analyst and archaeologist in Arizona in America, while oscilla here were said very the lata than generated by the radian system union ed onboard the space of the distribution. The radian photographs showed the presence of an area index the desert satisfy in southern purphared west or business where he can does not tall heavily exception above tags of more every fath it are but which has ancient large river channels some of which are larger than that of the Nile River.

Recently some, imparative studies have been made on the Arabian commission where astronomical authorography snow the presence of the river hannel of a giant arcsen river covering the periodial from the west to the east toward Kuwait. Dr. Faarooq Al-Baz, the director of sASA in opens a responsibilitor cased may space apporation and research initiatives - had mentioned the presence of a tremendous amount of atmospheric water to the channel of the amount over which is subtract up hole sides of the open in the Heavener periods 5000 years ago. If an Markoot, an American goodeg's tensees the return of the rivers to the deserts of the Arabian Pennisula and return of the water to the covered rivers.

Andem technic descentum that the Fall his passing through an live. Age which would last about a hunored thousand years and thereaster.



with a period of warm himtermed to as an interglacial stage, which we assistanced ten and over the usand years, this pattern has been repeated ten bries over the last one military years.

The obscenies of his in he has been taken for its in the heady is a facilities involved the facilities along to the coplacement in the anthroping of the analysis and the southward direction. As such the Arabian Pengriyalia and the court kneets to the National Pengriyalia and the analytic south in the ratio has a surple world which is the ratio and the analytic world which is the analytic and the desert and a being high with rivers and fortile valleys.

In the period of warmth between gracial periods, the ambit of the rains moves to the North, and the Arabian Peninsula and northern Arrica come within the ambit of the trade winds (when trade winds move over warm tropical waters, they pick up moisture and bring heaver and all or the solidward-raining slopes of moionamous areas) and it becomes covered by a chimate similar to its present climate.

There are a number of evidences for the occurrence of such chinatuchanges compiled by Professor Austin Miler, the author of the book, Historical Physiography, as follows:

- Specific facts regarding the rains and other clamatic evidences involvation and periods in decries, and what has been be index to talear researchers also Ptolemy in the second lentury of B as the scrolls of Meteorology.
- The data of freezing of water in some countries like Denmark, since 1350 C.E.
- Difference in the distance between annual cycles to enable the
  tisk but tree some at the trees or intere than are at those mousaine
  years old.
- Availability of evidence indicating agriculture in regions whose comate will not support agriculture.

The theories of the Scottish astronomer, James Kruk, in the nineteenth in one possible a chesc points is a lich die Scottish proposition of soils. A Lian Viankovitch instended after making a rew modifications in the year 941 C.E.

be contained where a sign the horth has not mind to the specifies a security the propertions when they will be improvement to the harth, as reported by the harp, on the analysis of the mind to the form of the form of the harmy, 1421 A H.

(6年至祖 16日)

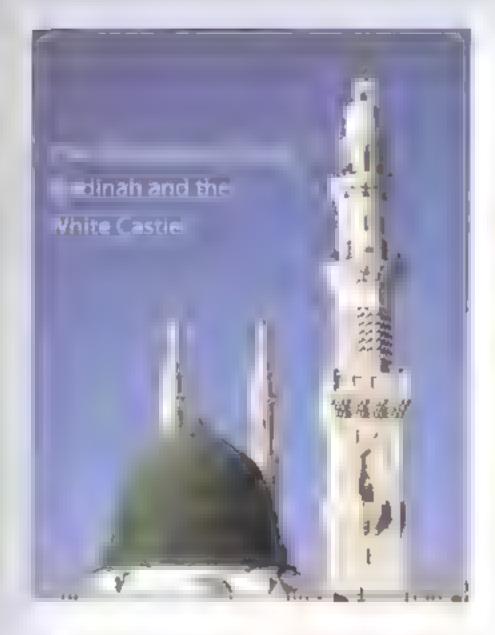
The first change was caused by the Earth's revolving around the sup in a city man orbit. Its orientation offers south to be his in becomes edly driving hope indicensity or managing the few and orbit sept and home red thousand a year. Their the critics in dear his harderes is used corresponding magnitude from the son's heat over day of the year but when be orbit is elaptical our planet for some our sur the lear is, inserto a sur and neeves mor healteen. But the calket another year were when the mage mode of the emperate of remains steads.

The second change is in the barth siax siltor the barth rotates around Is as a which is the field to is orbital plane. This means that in the rotational axis is do a coest with the orbital plane, the relational axis inclines to this plane in an argic which comes between 27 degs and 8 sees and 24 degs and 4 sees in a revolution of texty one thousand years This angle now is 29 degs 4 secs and it is still reducing

his think, hange is in the messagent of the harth associated with the exist of rotation. This imaginary axis is dumeated in space as a circle which is referred to as a procession and the axis completes its circle in a cycle for twenty-three thousand years

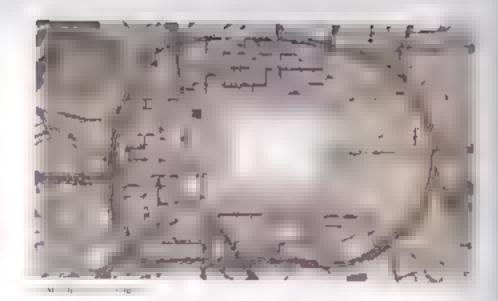
Allah s Viessenger peace and pressings as people in memorial his reality in the noble Hodish where he said: "The Last Hour will not come until the and of the Alabs returns as a just strage is theates streams? the a me on The constitute remains who apparents. Mahammatapear and bussings of Ariab be upon him regarding of this?





Imam Ahmad said: Yens narrated to us, (and Yourus said), Hammad habitation in the Budge by So attitude courses and all against the starting after in shapper your Millian Bir A. Adra that the haspiging a . A hip proces and blessings of Auah be upon him, aumonished the people and said:





The Day of Rescue, and what is the Day of Rescue? (Thrice). And it was said to him. What is the Day of Rescue? He said The Da)jal shall come and ascend (Mount) Uhud, He will look at Madmah and say to his companions. Do you see this white castle? This is Ahmad's Mosque. And then, he will be coming to Madinah and will find an angel with an unsheathed sword on every of its (mountain) passes. He will go to the marsh of Jurf and hit its pavition and then, Madinah will shake thrice. And there will not be any male or female hypocrite or a sinful person, male or female except that he comes out to him And this is the Day of Rescue." (Saheeh N-Goynchii)

Explanation of the Hadith Sustan, that is, in his hand is a sword unshoulded. It is said: addition-sold when he removes it from its should hadit a way in-between two mountains (a pass). As-Subtanit, a land above which is said marsh training any where noted the present for a few goes. As it is haster. A Rim is a training in wenturn and Idirium (disturbance), we it vibrates and resonates.

A sist on, consider the saying of the Daija. This is his consider this is Abrinaus his sague, and then consider the Prophet's Absence his photograph has been asset then girs and the area the actions his analythms abbreve in Arabi from the Irials of the Daijal.



# e Miracle of the Call to Prayer and the American Astronaut

Abu Saleed Al-Khudri, may Allah be pleased with him, so di "The Messenger of Allah, peace and blessings of all be upon him, said to me."

"I consider you as the one who loves sheep and the desert, so when you are within your herd or in the desert and you call to prayer, raise your voices, for the extreme limit of the Muezzin's voice is not heard by a Jinn or a man or any other thing except that it bears witness to it on the Day of River on the Day of River or any

That is, the one who hears the extreme limit of the "Zeur's voice or its prolongation will witness to it, what it the one who hears the call to prayer clearly? This of witness indicates its nobility and the degree or lience; otherwise, Allah is sufficient as a walness.





The first astronaut to land on the moon, Armstrung, pronounced his being a Muslim and was dismissed.

The American astronaut, Netl



The story of his (conversion to) is am. why? and how?

He reported at hunsell saying. This story dates back to many years while on a visit to Carro during one of his visits around the world. While Armstrong moved around popular areas in Carro, he heard the call for the Dhuhr prayer from the mosques: "Aliah is the Greatest - Aliah is the Greatesti" He was astonished and began to ask about the voice

His companions being surprised at his amazement said. It is the voice of the caller. that invites the Muslims to prayer. But the astronaut did not respond to them. After some days, he announced to those ground fum clearly and without hesitation that



E of ballet to a

the statements of the call to prayer that rang in his ears, which he did not understand, were the same words he had heard when he had stepped on the moon for the first time?

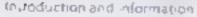
Following his return to the United States, he dedicated himself who are to be set of some graph business from the function of the Ingrose a retail and a the or I his concurred his Islam. Ofer a worldhe assented diese used his dismission from his job as the Space Center. NAS of it from the strength of his tach, he said gost the jop but surely found A lah."

(Taken from a book Why Those People Became Muslims and some say it is not true and I was not able to verify And Allah knows best)."



a Armstrong has many terms propositedly but family attributed In impression that he has converted to blain. Aumstring participated in the Clobal Landership Forum in Malaysia on 6 September 2005. The Stor Malaysia. the court is a supplicity to been a sub-grack report out you tipe on his mean pupiling integras in Arrella 13. In the arts le. Arrestning excelle mean handang, published in 7 September 205, one finds this statement: "Armstropy, 25, also was the hard to at a the safe or and to go in way to make properties, the work of In Palagra,"





from his job and he says. "I lost my job but I found Allah."

Armstrong, the first man to step on the moon, announced his Islam. This has been published its Malaysian newspapers and a journal published in Ceylon (Srt. Lanka) has quoted from it.



# ron is brought forth from the outer Space

Allah, Most High, says

الله الله المن الموسود والرف معهد البطاء والمدين المؤوات والمسطة البطاء والمدينة المراكبة المعالم الما المدينة والمعالم المعالم المدينة والمعالم المعالم المدينة والمعالم المدينة والمعالم المدينة والمعالم المدينة والمعالم المدينة والمعالم المعالم المدينة والمعالم المدينة والمعالم المدينة والمعالم المعالم المع

Indeed With lave sent our Messengers with clear proofs and revealed with them, the Scripture and the Balance (Justice) that mankind may keep up justice. And We brought forth from wherein is power or matters of war as well as many benefits for mankind that Allah may res, who is hat an help Him His religion, and His Messengers in the unseen Verily Arabins All Strong Aimighty. Social Artificeed 57:25)

this quiest the decision of some exegence to arching the Verse that iron has been brought forth from heaven. As evidence, they quote on a non-narrated by I may libe Assinated, may A sab be pleased with him, from the Prophet, peace and blessings of Allah be upon him, that he said: "Allah caused four blessings to descend from the housens from fire, water and sail." (Musual Al-France It is a labricated narration. Its defect is in Saif fon Mahammad, a fabricator)

L 70%

ca entry



- Geologists have discovered that 35 percent of the Earth's composition is from iron
- Bron is the most stable metal with a high density and as such, if preserves the Earth's equilibrium.
- Iron is characterized by the greatest magnetic property which is in compliance with the Earth's magnetism.
- Iton originates from meteors that fall from space to the Earth.
   About a thousand meteors some of which may weigh up to tens

of tons fall from space and some of them were discovered in famel and some in America

A single atom of the metal, from cannot be formed except at vershigh energy four times greater than that of the sun.

Scientific Explanation

Allah, Most High, savs.

والله أسب رُست بالمهم والرب معهد لكن و بيبرت معدد مناص بالهميد والرب معهد لكن و بيبرت معدد مناص بالهميد والرب معهد الله ويالعبرا الله ويالعبر الله ويالعبرا الله ويالعبرا الله ويالعبرا

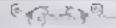
Indeed We have sent out Messengers with clear proofs and revealed with them, the Scripfure and the Barance rustice, that mankind may keep up justice. And We brought forth non-wherein is power an marters of war, as well as many benefits for mankind, that Ariah may test who it is that will help their (but religion, and the Messengers in the Unstein Verify Allah is All-Strong Almighty." (Soorah Al-Hadeed 57:25)

the char ar mentions in this might is used an income is being the fills to one space and that I was not up the larth. The scholars of our

have also mentioned this fact as said in their explanation on its power and benefits. As for science if did no know the and the early station when space acceptable discovered that the origin of tron is not from the Earth but from outer space and that it is from the renames of meleons since the atmosphere deflects some of them to askes in the bid to get into the Earth's atmosphere and the rest of it falls in different forms and sizes.

Space scientists discovered





later that the iron cannot be formed within the Solar System, the sun is a star whose heat and energy is not sufficient to form roo. This has promoted as a second second by the find some septime casseds the second second second second second and meteorites.

The astronomers now accept that the meleons and meleonies are been masses of rock from space from particles of different sizes formed and analysis of the most meleonic man on the Earth's surface since it fell from space as meleons.

Arthur Barz said in his book The Earth: Meleonites are divided into three types depending on their composition.

- Iron meteorites composed of about 98 percent iron and a small percentage
  of metals and traces of other metals such as cobait
- Story from about a half of it is from and make) and the other half is from ally inc.
- Stony meteors which consist of largely of salurate minerals.

Thousands of meteors have been failing onto the Barth's surface and some of them sometimes weigh up to tens of tons. In 1902 C.E. a meteorite was found in the United States which weighed about 62 tons with some from and meket contents. As for the one at Arizona, but sites was the Alizona Meteor frater it was produced by a large meteorite. The stater is odd on gloop insulations from a discount 4,000 to a state of the point to the state with the state of the point to the state with the state of the point to the state of t

From this scientific explanation, the precision of the Qur and description becomes clearer – "we brought forth from". But what is a person and what is present that the Qur an others who is subject to the the Qur an other who is subject to the think of the person of the Qur and the person of th

Chemists say that from is the most stable metal and this was not a town unto recently from the discovers of a metal with the proportios. If for an its strength, one near they and about a with the proportion is a considered for defined metal and this property is assemble the finantial in the preservation of its equilibrium. Also, about to percent of



the Facility composition is soon and it is the now may notic metal which assists in the preservation of the Barth's gravity.

to the majorness authorising did not realize the good industrial use of our and, the eighteenth amount that is, have selected the research the term alternal the contact to and discovered simpler means or its exitistion.

Now, from has found basic usage in about all sectors of industry and has us my an approximate exercision. It uses the reset as a basic material in the production of weapons and in all heavy and light materials.

from is also a basic component in most fiving things, for example, that the most in which appears to the spin, and in the homes described to the property of the property of the property of the body of the body and other an mais that transport oxygen around the body.

We will close out discussion on from with some wonderful manners at an indexes mentioned by Dr. Zagh and An Nagar - an index type ingred, where a professor of the mastry in Australia called his atom out to the fact that he hierale to chancel the chapter of most be missides with the Relative Atoma Mass of the element iron for and its Atomic Number (26) with the number of Verses in the Socialist aptor (26) Odorous is Mah Who as got Mahanimad peace and biessings be upon him, all these scientific facts?

It is surely the Lord of the Worlds, Creator of the Universe who said in this Noble Book.

Findeed We have sent our Messengers with clear proofs, and revealed with them, the Scripture and the Balance (justice) that mankind may keep up astice. And We brought forth non-wherein is power in matters of war), as well as many benefits for mankind, that Allah may test who it is that will help Him (His religion) and His Messengers in the Umeen. Verily Allah is All-Strong Almighty" (Soorch Al-Hodeed \$7:25)

#### Scientific References

The Empetopedia for tume a men amend that the origin of the Parth's or Ballon from planetary accretions as a reliable bepothesis and the heteorites are akely models for the planets as they occurred before to planetary formation. As such, it becomes apparent that the larth is formed from the an ampuation of small rocks bedies ageither with everage assemblage of the story moleonies. In any case, the process of



planeters are relicious leaching thems—conference arises blass and the remhad been returned to as metal some and had soled, or the innerestations the core together with a large quarriety of siderophiles.

As on the Theprines which continue potter is the spen barren, and combine as acids and in some cases with so leaves, as so the origin substances to settle in the sum of the Earth's other and I doe of the cross to the same one appropriate within the Earth at fides at very high temperatures within the Earth.

this original geochemical differences on or the Earth can be described systematically as non-map ies and a some experiment so but because when the elements constitute about 55 percent on Earth's composition charges and than in a soft and quantity so that it combines with most of the metal is into and magnessian and sile on Since map associations a secon have pleaser at this for respect than one the elements; occupied on a combines with some of the ponfersor, the reseast metal is non-and-non-sulfides. As mentioned carrier the metal sank to the lenter to form the care is this great quantity of siderophiles.

- Chalcophiles: have strong affinity for sulfur.
- Siderophiles, they alloy steadily with iron.
- Lathophiles silicate (and oxide) minerals.
- A continuous combission of the substances results in a number of complex nuclear reactions through the substances formed from the diagrap of carbon and is get and bose that are graded a champest to substances of thisper and makes the are fine champest to substances of the high and makes these nactions are generally given the name Schoon combustion because an important part of the process is the breakage of the allican nucleus to the production of the other substances mentioned earsier.
- Is the end, a receperators of about so 00,00000. Is there is
  the potentiality to approximately reach the nuclear statistical
  equilibrium. At this stage, despite the fact that the nuclear

reactions continue, every nuclear reaction and vis reverse occur at relatively equal rate. Thus, there is no other change of the chemical composition

- The gradual formation of heavy substances during the fusion reactions will reach equilibrium by disintegration and actually half integration processes when the substances become black in the form of iron and other elements closer to it in the periodic table. When heating takes place, the heavy nucleus changes to a lighter one just as ionization of atoms occur when heated.
- The density at the core of the sun is about a bondred times that
  of water (and about six times the density of the core of the Earth)
  but the temperature is at least about 15,000,000°K considering
  the fact that the pressure is at least about 10,000 times more than
  that at the Earth's core which is about 3,500 kilobar.
- The temperature of the sun reduces from 15,000,000°K at the core to about 5,800°K at its radiating surface.
- It is possible that the temperatures of the stars of lower masses fall drastically due to the sort of nuclear reactions that it can generate, but for the huge stars like the sun and those bigger than it, it is capable of generating chains of complex nuclear reactions as described earlier. The measure of time for star evolution is derived from the theory of star evolution which demonstrates that the stars with greater masses than that of the sun have probably completed their active life cycles in a short time relative to the period of formation of the universe from the Big Bang theory. This result would imply that the stars with greater masses than that of the sun and those relatively recently formed in the history of the galaxy possibly brought about some of the heavy elements seen today. As for the stars with lower masses than that of the sun, they do not play any role in this result.
- Iron which is the basic component of the Earth's core is the most common element on Earth with about 35 percent abundance.

#### Point at Wonder

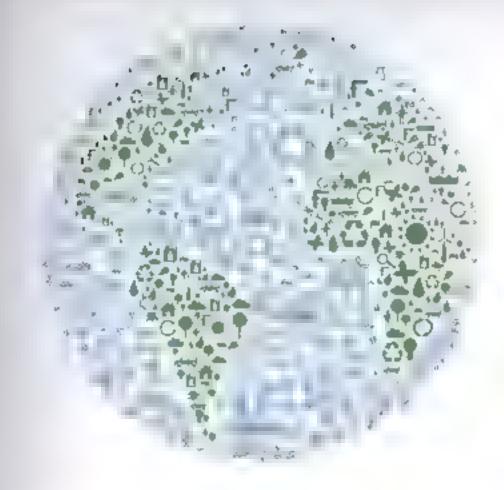
The pours of as under a the name Versa it as gut an a the import of the words who she has go, a rib order a which implies descend of confrom heaven. This is what as donormical and geological studies have a so means or the second half if the treemonth century in Authoritian Al-Islamyguit, Al-Time Al-Time).

\* Sharkh Ash-Sha'rrori said: During the World Summit on the Sciencific Minar es of the Our arc. In Straigh, his of the most prominent scientists with the American space agency NASA said. We have carried out many researches on Earth's elements including laborators studies the single element that beyinders scientists a monthle strength in ron has a anaptic make up, he election and quatrons in the itomatom require great energy to be ombine over four times all the energy in the Social System A such, it is not possible that from had been cound in Earth. It is definitely a strange element during the Earth and had not been found on it:

'And We brought forth iron wherein it power immatters of war), as well as many benefits for mankind that Allah may lest who it is that will help (tim this religion; and its Messengers in the Unicen Verily Allah & All-Strong Almighty.' (Soorah All-Hideed 57:25)

(a) Additude at Management lating uniquescity to the Sparing property.

Sha sh Az Zincan said An You aware tha the atomic weight 57° of ton is the number of Search is chance "chapter on the iron) and the decimal number of too (26) is the number of the Vines in search of take to be consider too 80 manh, he phrase 8 manh for Rahman is Rahma meaning in the name or dight, the Bern heart the Men, it as a verse? Will, I be just a considerace. ? But many of the people do not understand.



# Sphericity of the Earth

The Qur'an is the Word of Anab, worship is performed by its the hard and with remain so and if the Our of Judgment. That is then as no conflict between it and scientific facts in the universe, because the wible Qur an does not and with not change. If such conflicts were to occur the cause of religion will be just completely.

However conduct an area. From two things with not unders and agterior its of the Que ag or incorrectness of scient to Expothesis So. \* k

when we do not properly understand the Qur'an in such a way that we make incorparations dust are different from its decide meaning, there has we also a she or its fact when the scient for him choices a task from hore with a soft at how how to a my a very indeers and the claim at correctly live with a sex appropriate of a correctly live with per amorphism and that at lost in per amorphism only of the Qur'an objective, about conflict with existential facts.

Allah, the Mighty and Sublane, says in His Noble Book

# ﴿ وَالْأَرْسِ مِنْدَعَتِهُ ﴾

"And the Earth We have spread out: " (Soorah Al-Hijr 15.19)

the Verse of mean this, we would are use everyone who speaks about the verse of mean this, we would are use everyone who speaks about the spheric is of the Earth of a shelled especially since by means of space-shy and satelline we now up to see the Earth as a sistem potating about its axis.

We say that anyone who understands the noble Verse - "and the Earth is flat has not really understand the money of the noble verse of the flat has not really understand the money of the noble verse of the flat are flat are the meaning one empasses the transition muracle of the flat are and gives the obvious reality and scient he fact which was conceased from the intellect a the time of the receitation of the flat an When hash, we have a fix binder says and the grown was grown at the distance says and the specific any locality on the general says as the area to smeans that woulgette any locality on the Earth, you find it specifically meaning flat.

If the arrivation the bond of the graph of the intalligence of the array of the array of the array of the factors of the proof of that and the second passes be except when the factors spherical Pithe barth were to be actingular or manginar or hexagonal or any other shape you set get to an experient the second because the factors of the same are but as a better experient or as a factor of the same are the factors are the same are also better that it is spherical to you continue to thought on the surface of the earth.

and you begin to move until you come back to the starting point, you will ever find the Earth spread out flat throughout the movement.

And this is the meaning of the noble Verse – "and the Earth We have an an income of the proper base understood the Earth to my spread out as evidence for the sphericity of the Earth, and this is a miracle in the Noble Qur an, it comes with a single word to suit the plant it meaning in man, though and a populs to its up verse reports these these who are earlier in his seasoning in these verse and head if the mean that he has the star season that there is not like the reason in a sense. And those who understood the noble Verse corns its say that the Qur' an is the first book on Earth that mentioned that the Earth is spherical and this fact in the is surfaced to bring and it belon by they do not believe.

This is how we see the Qur'arus muracles, the One who revealed it is that the total and Mathiso when a part or the verse of the spir or identify as not the har has spacers at and that it intales are included over asks, or includings of these verses cannot be harmonized except or putting these two facts together.

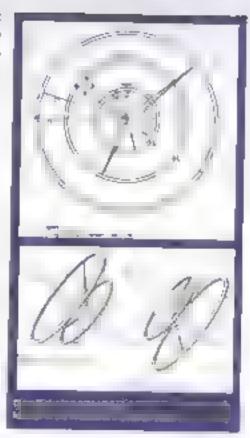
Can greater physical evidence be found that Atah created that accepts then, He the May by and Submitting a fernior the anaptropy of asset not to be found to show as Signs to His creatures So. In says

"He makes the night to go in the day and makes the day to go in the night. And He has subjected the sun and the moor. Each running (on a fixed course) for an appointed term. Verily, He is the Almighty, the Oft-Forgiving." (Spoorth As-Eumar 39:5).

I have show life. A list litigh, describes the the right and can were both treated in a cyclic form. And since the night and day are observed if the farth logistier districtions she that the both or circle occilies except if the last lister is supplied as in view of the far list a suit of the sphere will be dark and the other half bright.

This is another fact from the Qualan which mentions to us that a

half of the Earth will be bright and another half dark, if the might and day found on the Earth's surface are not equal in area in such a way that it appears as a thin thread while the other covers lite most of the area, both will not really be like the sphere. The thin thread in this case will be rectangular or triangular or any other shape based on the area that it covers on the Earth's stirface. And it is possible that the situation is at such based on the variation. of the night and day but His saying."He makes the right to go in the day and makes the day to go in the night, " contains evidence that a half of the Earth will experience night and the other half, day



When knowledge improves and manigotic space and saw the Earth and its shape it is found that, in fact, a hat, of this bright and another half is dazh as Allah, Most High, informs us.

Another evidence that the Earth rotates around its own as a six renoble Verse:

And you will see the mountains and think them soud, but they shall pass away as the passing away of the clouds. The Work of Anah, who perfected all things, verify the is Wel: Acquainted with what you do? (Sporgh An-Nord 27-88).

When we read this Verse, and we see the mountains before as stable

and fixed without movement, then we are astorished for Ailah, Most actions in the second of the seco

But Aliah, the Mighty and Sublime, created the mountains big, seen by any min or the he slightes, above to see in such a way that no one and a very dence that his sight is poor and not able to grasp small hings of he same once. He told as that I god mountains are said set they will pass away as the passing away of the clouds. So, why has He Veist high, employed he movement of the clouds is hile describing the movement of the mountains?

This is because clouds do not move independently, they do not have from my place to is other or their own hather they move or the the strength of the wind. Were the winds to stop motion, the clouds on diverge a motionies of strength of the wind. Were the winds to stop motion, the clouds on diverge, wants us to know that the mountains do not move that such that is, her cannot change their io about on their own thus it is not that a mountain in the arope can move and after sometime we find it in America of Asia. Its movement becomes established only have a number of Asia, its movement becomes established only have any notion will be seen moving the mountains are found on the fairth said are no force will be seen moving the mountains ever epic, the tarth seelf moves and then the mountains on it also move with it.

That is how the mountains appear to us – stable since they do not harpy location, but at he same time her move because the hard neves around its own axis and the mountains are an integral part of it, so they completely move is the has the wind impress the flower Since we do not sense the rotation of the Earth, we will not also sense the motion of the mountains. Thus, His saving, "" but they shall pass move to the passing of the counts. I means that there is a period in time.

between every period when it passes away. This is because the clouds are not permanently steady; rather, the ramy season will come and then the terminate the period when the season and the period when the season to the season and the period when the season to the season possible of the mental is a season of the mental is a season of the season possible of the period indeed the party is turned with suggest, but it is man that takes no head.

When the non-Musining are a self-cattern ton rope came in Signal.

VR. 3. 31 M pets and So it me has been made as it as it compound in the Meson period affairs peace and biessings by upon him as it.

His saying:

'And they tay' We shall not believe in you (O) until you cause a spring to gush forth hole the Carth for us or you have a garden of date-palms and grapes and cause rivers to gush forth in their midst abundantly Or you cause the heaven to fall upon us in pieces as you have pretended or you bring A shand the angle specially lace of face" (Sobrah Al-Isra 17-90-91).

At all dustise bear any from them, or the verses revealed in the bobble Quaran contain many miracies which should make them believe to see a work to be a made that is a many work to be the made of the source.





# The Earth's Layers

Geologists say that if the thickness of the topmost layer of the hard reases by more), one kitometer from its present thickness,

all of the available oxygen will be consumed in the formation of the noteins in the Earth's layer and as such, plants and arumals will not be found anymore and carbon (IV) oxide will be in abundance. Oxygen composes \$8.8 percent proportion by weight in seawater and the rest is hydrogen; if the quantity of hydrogen doubles while the Earth separates, oxygen would not be found and water would overflow at every point on Earth.



duestion

arises: who has

measured the

night and day on Earth to suit the

tens of limes and on some of them a part will forever be day

If the day were to be longer than it is ten briefs, the sun would burn every plant on the Earth's Surface The life that exists on 11? This is despite the fact that on some planets, the day is longer than the right by

and the other night (Ax-Zindani)

 Dr. Mahammad Hashusrahity the head of Desartment of the sics at Aspush Shams Upgereath says Science has softle find out what is mean by the "seven heavens and seven Earths, but we could understand from the Verses of the Que'an

# الرائدُ عَلَىٰ كُلُ مُنْ إِنَّهِ مِنْ إِنَّانَ اللَّهُ اللَّهُ السَّالَمُ بِكُلُّ فَرُو وَأَنَّا فِ

It is Allah Who has created teven beavens and the Earth the like thereof in seven in is command descends between them theavens and Earth that you may know that Aliah has power over all things, and that Allah surrounds all things in (His knowledge" Soorah At-Jalaa 65:12)

This means that there are say other Earths other than our harsh and that such has a heaven above a librarating or a leader the chosen one. Muhammad, peace and blessings be upon him confirms this

"Attalormina Rabba no Santano nat a Sala Santana. Ina ma Kashir da

Andrew use me agadest" (O Abalt, Lord of the seven beavers and what it overspadows, and the Lord of the seven Earths and what it bears) which also implies that every Earth has its heaven that tops it.

Allah, most rligh, says: "And of the Earth the like thereof (i.e. seech)" and the Divine commands mentioned in the Verse above, reveal something about which, there is no doubt, is directed to the discerning Further on these six of let and have been been as a man discover an the future based on His saying

"And among His signs is the creation of the heavens and the Earth. and whatever moving (living) creatures He has dispersed in them. both. And He is All-Potent over their assembling (i.e. resurrecting them on the Day of Resurrection after their death and dispersion of their bodies) whenever He wills," (Soorph Ash. Shu'ra 42:29).

This contains an indication of the possibility of the coming together of he worlds in the about his work of the herearter, bearing in mindthat the expression "All prayees and thanks he to Aligh, the Lord of all that that he was myterated in the city and severe transfer are again in a light Verse 2, Sourch Ar-An am Verse 45, Sourch Yourns Verse 10, Sourch Asarea of the 182 for the A feeting years to wright A hard before the Soonth At-Jullinguals Verse 36

This coincidence further estatishes what is membered above arcing the seven beavens and Earth. Nonescor in the last of the Verses is His saying.

150, all the proises and thanks be to Allah, the Lord of the heavens and the Lord of the Earth and the Lord of all that exists" (Sporob A)-Jothhyyah 45, 36.

that is, He is the Lord of the Worlds in the universe in an litten to being the Lord of other worlds.

move. The aby of Mahammad amon's Hanha and in Migdaad Mar'ey Al-Jawatt)

# ﴿ النَّالَا عَلَى مَنْ مَنْ مَنْ مِنْ مَوْلِهِ عِنْ الْأَصْ مَا عِنْ بِاللَّهِ الْأَلَا مِنْهِ }

Tit is Allah Who has created seven heavens and of the Earth the like thereof (i.e. seven). His command descends between them (heavens and Earth)." (Social Ar-Talaga 65.12)

Vishab may Mah be pirese, with her haid that soe sord to his Salamah to keep away from contentions regarding) and for the Prophet, peace and blessings be upon hum, said

"August on hours a noncostar to spon of the name to another be bound from the seven Earths." (Reported by Al-Bukhari)

- It is discovered recently that the Earth is like a ball with seven avers
- Learth is almost phone which is the max are of gases surrounding the Earth.
- The Hydrosphere which consists of the bodies of fresh and sall water.
- 3. The Stall its name is comed from the first two letters of each of Silicon and Alight norm the two most abundant elements on a land it (stall) is generally referred to the Earth's criss.
- 4. The Sima its name is comed from the first two letters of each of its major elements - silution and magnesium and it simal is generally referred to as an envelope or cover.
  - 5. The layer of iron-rich Sima
  - The layer of N fe from makel and from The maclear core
- beienishe research about the fast three layers has not reached a conclusive stage. And Aliah knows best

10 1000 has harman to institute by Malmond Gapula



# Mystery of the Mountains

Allah, Most High, says

﴿ رَمَنَ ٱلْجِبَالِ هُنَا يِبِينَ رَشَتِرٌ أَنْسَتِكُ ٱلْرَابُ وَقَيْرِتُ شُودٌ ﴾

"And among the mountains are streaks white and red of varying colors and (others) very black." (Soorah Farir 35:27).

he mountains are remarklously bage tumps from slones and rocks hand in any, are son the barth some another large lump - the farth. This is what was known to the people about the mountains ower in go pricess research has shown what is below the any is of hards it was I scovered that the mountains projected the least of ager whose thickness exceeds 50 knowneigns called the Earth's crust 1) benefitates this layer whose thickness exceeds 50 knowneigns called the Earth's crust 1) benefitates this layer whose thickness exceeds 50 knowneigns called the Earth's crust 1).



retire y

to second layer to up regular most of and to 15.1.11 fg. has state and for rest above the end of the accordance the most one which penetrate has at to be planned page hold tents of the area believe the cent form as a page area and what where its process and

he requirement and those involved to the studies were greatly astoroshed when they discovered that this is a ready recorded in the Book of Aught. He. Most High, payer

40630453

"And the mountains as pegs," (Secrob An-Nabo" 78:7)

And Allah says,

وزالياد لاشياله

"And the mountains He has fixed firmly (Social) An Nizziyat 79-37!

And He, Glorious is He, says:

الإرائي ب كايم ياس الراج خراة

"And has set on the Earth firm mountains less it should shake with you" (Soorah Lugman 31-10)

Ang graduat that of Environment to Thought About the property of About the supply of t

Mountains as Pegs

Dr. Zaghloul An-Najar said: Aliah, Most High, says

"(4sve We not made the Earth as a bird, and the mountain as pegs?" (Sooroh An-Nobol' 76:6-7)

Here, I will comment only on the second of the two Verses despite at a comment and on the less and the one from which we shall take our discussion some other time, if Adah willing.

And Most place we then the abortons as personned his arrange as a random continual these amazing signs at choose a about themena as sugh structures that we see on the Earth's surface – like most of the tolerances have been their Alfab actions with these expressions that the mountains have interesting the the other allowsphere may be made, and any preside stability on Earth and surface and actioned using a their it has desproched page to stability of the drosphere and by expression, the carth Solly native see on actional expression as mountains are only a tests of he have masses of a constability periods as mountains are only that that the have masses of a constability periods as mountains are only that the following asthemosphere and the thickest parts just also the see sheets that float on the oceans.

Thus, the mountain extensions into the lithosphere are between 10-

15 ones do in help than we die halob a surface based in the his kness of the making up the mountain and that of the material into which the pegs sink.

• So, a mountain whose specific gravity is 2.7 g/cm cube on an average links grande in can sure below the simalic rocks richose specific gravit is about 50 g. in link in average. A such a way list the ionist of the buried part reaches about 9 g. of in the exposed part on the Earth' surface is about 1/10 of the total length.

That is how we have seen a single wind pegs, describing the two sections in the one attain, the appearance tower - one decrease on a tracker has the world receipt the Contact to reserve to the me into as a soprementary that it is furtrently used as sometists to describe the lower part of many aims concealed below the Earth.

Even when the scientistic considered in the second half of the national contact that it was possible that the mountains had population count not after this man to of the presence of lower examinents which state or the fearth and to littles about out there are not the segmenting of the understand of of the structure and impossions of those extensions and their function in stopping the vibrations of the fairth and their thospheric plates in the domain of modern-datastronomy.

Its precedent. It describe he mountain as possis considered clear evidence that the Noble of an is the second toward the Almight and that Michaelmad, pour and liess tips by por non-is the Sea, most of the Messengers.

Description of the Mountain's

Allah, Most High, save

"And He has affixed into the Earth mountains standing firm—es: it should shake with you and the rises and roads that you may quide yourselves." (Soordh An-Nohl 16:15)

And He, the Mighty and Sublime, says:

"Have We not made the Earth as a bird, and the mountain as pegs?" (Sporch Ap-Noba' 78:6-7)

According to strictlists in the natioenth century mountains with missing more than he beight of their structure rising above the Larth assistance mountes anowed others and English scient sta studied the brillown in 1864 and could not come out with any substantial makes then have a possible a red, the linearing possible for the end, one the scientists put to award an idea saving perhaps these mountains are pegs within the Earth, hus, the scientist society and the following became known.

- The mountains have pegs penetrating through the Earth's surface at about 4.5 times its height above the Earth's surface.
- Its basic function was in stabilize it and maintain its equilibrium.

This mysters was not affirmed by researchers until the year. 956 as mentioned by oir Parood Bax a special stim Fasch science of terrals his mysters was already time length with an numer han 1,400 years ago when Allah, Most High, said.

(46)30(6)

"And the mountain as pegs. ."



# How the Mountains Formed

Anah, Most High, savs.

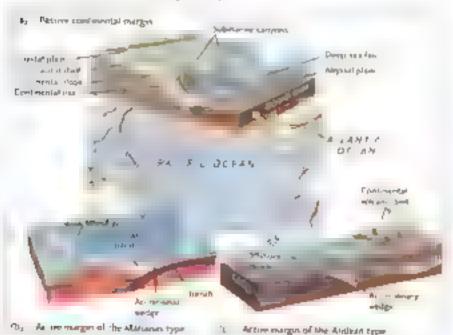
### ورائي ي الأرب رويون أل بيد يحكم وألهز وشاد التحكم بناؤد إ

"And He has affixed into the Earth mountains standing firm less it should shake with you and the rivers and roads that you may guide yourselves." (Social An Holy 16:15)

And He, the Mighty and Sublime, says:

## ﴿ وَالْإِثْرُ تَنْدُعُهُ وَالْتِبَاعِيمَا نَتُونَ وَالْمُعَانِ وَلَمْ تَوْمُونَ

"And the Earth We have spread out and have placed therein from mountains, and caused to grow therein all kinds of things in due proportion." (Social Al-Hill 15-19)



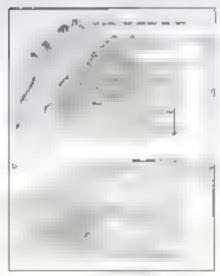
Allah, Most High, says:

﴿ وَالْنَوْ وَ الْأَرْفِ رَدِينَ لَهُ لَيْمَ يَكُمْ رَبِيَّ عَلَى الْمُورِينَ فِي لَيْمَ فِي اللَّهِ وَلَا يَكُونِ فِي

"And has set on the Earth firm mountains less it should shake with you." (Soorah Lugman 31 10)

The word aidd (to place)
Lon aims a Qui anic miracie

Earth scientists say that the termation of mountains on the Earth's surface achieved by placement which became complete.



ps topical lover long periods occurs from the hot little to the top. The oceans and seas extrude their contents to the seafloor by volcanic allow or from the top to the bortom by the action of the souffour and the gradual deposition of sediments.

Allah, the most High, says.

### ◆ とこれをおける あいかり

'By the sky which gives rain again and again. And the Earth which splits." (Soorah At-Toniq 86:17-12)

be movement son to harth states below the criestic option by at the resonance of the bodies to the append this reads to the formation of mountains. It is scientifically established that the mountains extend about four and a half times below the Earth's lower layer. Alfred by four a person scientist and convenignous, staylor was an extendivision was asked on some scientists during his visit on hing. An all A are inversely where did Mahammad get all dos knowledge? And he answered. There is no doubt that all cause to bim from above or below.

# The Earth which Splits

Dr Zaghloul referred to the Ayah

وْ زُالِيْنِ نَاتِ النَّبِي ﴾

"And the Earth which splits." (Soorch At-Totio 86:12)

If a kings has come in the lorth of an impression of eath and we understand this eath shows the importance of what is the importance of having the Earth sp. (2).

Scholars of Tilster in the lost commenter on this Verse and said these spiles are the clear ages which form on the earth after extensive urigin in so that sals are formed for the thin green sprouts to issue from the larth after the send of parties to the larth. The scholars have not

erred considering the fact that if you plant a seed it grows and becomes fully matured, then brings up a beautiful flower or a sweet fruit or osqueste wood. This penetration occurs during small cleavages in the earth after it has been slockened by water.

Faurts on the Seaflood

Coologists rater discovered that the outer rocky layer of the Earth L. Ar as the Theoretere exhose thickness on the occur of its about 70-75 followeders and below the continents at about 100-150 knowleters is divided by a system or deep faults into byelve plates in addition to the plates a rock into the rockets of plates. The plates weak dynamic plastic layer known as the asthenosphere. The plates move consider one another consengent plate boundaries or away from one another (divergent plate boundaries) or side past one another in opposite directions (without converging or diverging, i.e. transform plate boundaries).

If we consider the plates as rectangular, molten rock known as magnia wells up (from tens of kilometers beneath the surface of the seafloor) from one of the sides of this rectangular are at a vergent





date be industed price acting enormous valcanic exceptions of a dark took called baself forming new partiol the waitout A, the opposite side a plate moves toward another partinear, at onvergon plate X, maries, and the joins to thrush gradual moves the asther sphere with the same special of tormal and the stationar on the apposite side to be a vergon plate that he is vergon plate boundary. In hithesphere also have a least to be held to perform the boundary of the same special of the mid-off are referenced.

When places break apart, the inhosphere has and ruptures to corre a divergent place because to the spot my places are spread as a net seaffear spread by, because the spot my places are spread as a more a more consumer to mand the regent place boundaries reader theater's former than their band convergent place boundaries occur where places are consumed in recy lea mark into the Earth's manual ment are three the more places between their mounts places between the impact and three threshold in recy lea mark into the Earth's manual mounts places between the impact and three three more places between their mounts places between the impact and three more more places. The convergent is purpose when the course make most a threshold manual contains and contains and contains and contains and contains and contains and occurs a capital rust in confiner all its is a ned his felt in an Zone Many earthy lakes accur in subdurction zones, and coloring and present members or in where are search place descends are additionable for search place or in where are search place descends are additionable for search places or in where are search place descends are additionable for search places or in where are search place descends are additionable for search places or in the occurs of the search places.

followers above the descending slab as magina rises from under the plate. When two considering plates converge, the incoming plate drives against and under on applies by the non-Trus other after is homereds of miles of each continent and, at times, doubtes the normal thickness atment. Lost the hope interests a security and following mountains and plateaus.

Converging or diverging, a transform plate boundary, also known as a transform fault system, forms. Usually simple, the transform ands are size ght fault lines had form at a cigat angle to occur ridge spreading centers. These fault systems can also connect spreading the confiner and continues are continued and continues are continued as a continue of the confiner at cross sections.

The Fau is bring about the Continents

The process of the convergence, divergence and sliding past one a there of plotes described above is constructed and is not restricted to be so a feet also be upon the imposents. The say be a surface tip is a spreading rate of 6 centimeter per year. The collision of the indian tale is 45 the Eurasian plate has produced the 5 imalayan Mountains.

the Earth's highest mountain region, containing 9 of the 10 highest peaks in the world

These faults on the continental crust that affect to be a bid s kalometers at depths ranging between 65-150 knowledges are



transitive learners signs of the apheroid of the Earner hose up of a most known until at the should share and their extension for the theorems of so, their visions by and publications of so, their assuments of publication the assumentary.

The facts a spear aire a metwork in the fact tree and who is in content the globe and through the sength of these ands the processes of the convergence of sergence and such a passage was suit the many them plates take man. The absence a line passage was suit the season of the first them the planes as unan ated at the last of below the air explains (mantie) in a communious but caller manner. The motion magena from the bowers of the upper manule of the Earth during its low does to exclude a past manule of the Earth during its low does to exclude a past of a manule of the Earth during its low convergence of which disting the generation of once their principles in convergence or a substitute of transfer after a when they shall past one another; here the deletion is past one another; here is descent because where the plane boundaries occur where there is descent beneath.

The bowels of the Farth were tarbotter han to easy due to the present of great orders of radioisotopes such as rational. 2.5 and potassiant of the other from its were also not it aster begans to faster or for every accompanying phenomenon - greens as with earthquakes, and lathosphere place movements and the movements of at earth about nour also have or and near a green to what is count occurred to the at present and a four and the day.



In the process, the atmosphere and hydrosphere absorb the gases that are released (out-gassing). In addition, continental growth above the deep oceanic trenches through the growth of volcaric arts (and what is called the continental margin arc) also occur near the margans, or edges of continents and stress developed in these areas cause rock layers to told, leading in earthquake faults, or breaks in the Earth's crust called thrust faults. The folding and thrust faulting tucken the continental crust, producing high mountains.



the following the same today and the convention committee the are followed by a three they are followed by committee the area to a property of the same to as a surger same and the movement of these continuous same entitle to as a surger same and the most of the probability of the property of the same extended to about which is an the stretched term point to be same extended to about which which is the property-day Pacific Origin at the Equator.

In this sphere was also a wentry the prevented to extrast of heat from the bowels of the Earth, the accumulation of which tater produced a network of greating as to the middle of the Supercontinent such that merthern America and northern Africa separated about 180 million sears ago, and between and trace pears and 150 million stars ago. The separation of southern America from Africa followed that about 110 million years ago when the formation of keeland started.

At the beginning of the process of breakup, throvement of large bodies of water began develope in the form of large costs, increasingly profit observed to as let us which gradually separated the language into the bis pudietical introduction mass of Northern atemisphere that included with America, Europe and Asia called a russia and contowana, or



Combinational in the so, thicharmy much of the Mesozok (145 to 56.4 millional earstage) caurasia consisted of North America and Eurosia north to the Opine of matavan mountain ranges, while sandwana consisted of South America Africa per issued milit. Northalia Anton tich america Eurosean regions south of the Alpine-Himalayan chain.

At the separation, which still continues - our continents became as we know them odd and the tire tau, which brought about the first meak was returned that Vint Vinta budge During this modes material from beneath the Farth's must and our still wells up cools and is progressively pushed away from the ridge's flanks. Thus phenomenon is evinced by the fact that the crustal material on either side of an Mac Maintic Rulge is into a soungle that the fact that the reason that the fact that the reason that the fact that the reason is the fact that the crustal material on either side of an Mac Maintic Rulge is into a soungle that the fact terms away from the ridge.

The oldest oceanic crust today is dated Mesezoic, that is, about 200 million is at ago and it grauta be got submerged at the convergent hospheric parts boundaries through the same process that is the formation of new oceanic crusts. Numerous volcanic mountains are found on the continents like Mount Ararat (5,100 meters above sea level). Mount Etna (5,300 meters above sea level), Mount Fuspofis

(1,300 meters). Mount Kilimanjaro (5,900 meters). Mount Kenya (5,100 meters), etc. These volcanic tooks are linked beneath with a network of deep faults penetrating the thickness of the lithosphere to reach the mounts the results of the mass of the lithosphere to reach the relatively smaller masses.

Were throt for the Faults Life will be impossible

From the above explanations, we conclude that this great network has assisted of fact is that are no as the probability tensor throughouts of a conclusion of the chosphere in a relatively big, medium, and small plates an addition to smaller plates. The rest of the plates are considered from the cleanest evidences of the plates are considered from the cleanest evidences of the plates are considered from the cleanest evidences of the plates are not reprobably to the accorption of gases by the accorption of the cross the great and repropagation of the cross with new minerals in a systematic manner. They also function in a micromery of the lighospheric plates and the gradual release of accumulated hear in the Earth's powels.

arch this should the processors new meet in his Nobic har an over the of the signs of the roater Schoolington for the off after the relationship to the after the relationship that are properly understand it until the as its and ear is eventues to the last for the Asia result the Quir and is far ahead of science in mentioning a clear established fact — more that where cent has agreeable as a sum of the open that while he are origin of the book and the multifulness of the Prophetheod of the leader Multim mad, pearly and blessings of Aliah by plong in







### The Relationship between Water and Rock Colors

The relationship is evident from the scientific nuracles of Verses related to the water is A rab s saving

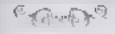
"See you not that Allah sends down water (rain" from the sky, and We produce therewith fruits of various colors, among the mountains are streaks white and red, of varying colors and jothers) very black And likewise of men and Ad-Dawabb (moving fiving creatures, beasts), and cattle are of various colors. It is only those that have knowledge among His slaves that lear Allah, Verily, Allah is Almighty Oft-Forgiving," (Soorah Falir 35 27 28).

The difference of colors is menhaned in three parts of these Verses

To sum thanke the extensive research conducted on this subject the colors of rocks are a result of the colors of the minerals it is composed or And the colors of the minerals result from their elemental composition its environment (of formation) and its interaction with water in such a way that water is the critical agent in the coloration of the rocks. Thus, Aliah, the Mighty and Sublime, says -

"See you not that Aliah sends down water (rain) from the sky, and We produce therewith fruits of various colors."

Each time science advances, it discovers an aspect of the scientific mirrorles of the Qur an, so that we truly know that the One W to scaling his quoteen in more than one was and that scientific data





conform conclusively to revelation. This is because the revelation is Allah a Word and the universe is Aliah's creation and thus, authorise science has to conform to revelation

Therefore, I always say: the truth is a cycle, the times of authentic narrations must meet with those of correct interpretations and the lines of teether gat into recipients a meet with the lines of unionpersed nature and those of undistorted results. So, we should definitely know that undoubtedly, the One Who created the universe is the One Who revealed the Our an

Arinh, Most High, says.

See you not that Analysends down water (rain, from the sky and We produce therewith fruits of various colors, among the mountains.

Here, there is a conjunction; Allah, Most High, says

الإوبان الجال شدًّا بيث وسنتر المدالك الواب وتربيث شرًّا الله والأن بالله الدور والالم أتبيعًا أويد درائكا إن على قدام المدد المدنوا أك أمد تربياً معررُ إلى \* .among the mountains are streaks while and red. of varying colors and (others) very black. And likewise of men and ad-Dawabb (moving living creatures, beasts), and cattle are of various colors. It is only those that have knowledge among his slaves that fear Allah. Verily, Allah is Almighty. Off-Forgiving."

and "Immuna" (it is only) impues limitation and testriction. Meaning - the one who has not learned does not have the means to lear Allah, on who to rear Allah in the right manner, one has no alternative to learning for Allah, the Mighty and Sublime, says

"It is only those that have knowledge among His slaves that fear Auch

meaning, only the learned ones truly tear Alia rand none else except them.

 Just the Aparation of this verse lim Natheer and Adah. Most digh, informs regarding the perfection of His Ability to the envation of a tous things, rore a sample form and foot is water that descends from







the heaven in which tru bear various colors are produced from velicing to red to green to white. These are committee pions of mark as a known from its varying colors, tastes, aroma.

Allah says in another Verse:

"And in the earth are neighboring tracts and gardens of vines and green crops (fields), and date-pains, growing into two or three ions a single stem root or otherwise ions stem root for every pains, watered with same water yet some of them We make more excellent than others to gat Yetily in these things, there are signs for people who understand." (Soorah Ar Rold 13-4)

And His saying

 among the mountains are streaks white and red, of varying colors and (others) very black.

meaning and He created the mountains are that too with varying

colors as is also known from white to green and an some of them we find mountain bases and one is not in them, orange man, in different more than the man them we are the transmitted as a man are mountain a passes and the mountains the hope work means are base so, and when the Arabs describe a black, they say black is ghateach.

And His saving.

"And likewise of men and ad-Dawabib (moving living creatures, beasts), and cattle are of various color."

meaning, likewise the artimals amongst men and beasts – that is an altimal that moves on Jour-feel and the livestock – by conjunction of a liestic ted to the general likewise are of various, others to amongst new arc the Berbers, the liark stanned Europeans who have optimized and have and the Arabs are in between, and the Indians are darker and as such, Allah, Most High, says:

"And the difference of your languages and colors. ." (Soorah Room 30:22).

Likewise there are the beasts and livestock with different colors even within the same sort we have different colors. Even from the same sort of animals some will have one color and others will have another. So, Biessed in Allah, the Best of creators.

After that, A ah. After High says

> و من سمي سم مِنْ بِي ٱلْمُنِينَّا فِي

". only those that have knowledge among His slaves that (ear Augh, "



3 1

That is, those who truly fear flore are the scholars because the more the kin while herarching the country, he bloss to its Receiving the Une discribed will the perfect astrobutes and to it horn in best names are astrobuted nameases, the runs knowing on becomes perfect, the more flus fear (in a servant) becomes greater

IN HER THE REST OF SHIP SHOWS BY IN PROPERTY.

#### The House has a Cold guarding it.

These were the words confidently repeated by Abdid A utia be the grand after of the Emphet peace and biessings be upon him in the face of an enemy a face upon the Karrah, and transmitted from him across generator is A calera-day scarners, incline this face me profession that is bestowed on the Hope region. Thus, it is not subjected to the instrumental and physical lessoners that area as sufficiently regions. Modern research in physical geographs and geology has confirmed that this region will not be afterior by any of the ips normerical allerance like-earthquakes voicion est attoris and opents it seemed in a in deep o such activities occurring in the zones around it.

The region of dejaz as explained by Ir Tal at Mahammao Abduh associate professor of physical geography at A. Azhao in version is a part of the great African Rift Values fault which had aborted eastern A rica street the third professor period. The air, say is from his Zambozt toxes the ween Zambia and Zirishabia, and the Norska it A alarm in the south extending aroungle the Kid Soute the dual of Acquirab and the conductive and high at the Lake Tiberias and the fordan Rich in the north

#### Hejaz Region An enclosed region

This enter foll, in any avagased upon from geographs or poor great are per obtained as a rose as a viag known to broadle as rose by away that is character zor by the broadle is some parts of the faith as enter crust from another which implies that it is a volcand region of good account. That is further espablished in the vast you alloes in a surface that deformed the surface of the Ethiopian etera on hat exposes numerous huge volcand comes on the surface.



Allah's protection (over the region of Hejax) becomes manifest in another form from the Red Sea at the Arabian Penasula, considering the voice was to late if one a small scale voice and eruption from which the voicence tooks were formed, referred to by the Arabs as "Al-Hatai". The Arabs had noticed these rocks from time and described them to be of stones burning with fire following flowing lava, and it is black.



oth strange striking orms. The Harat are considered one of the most same ground plots agraph is symbols in a fail; traversing between costern and western Hejaz such that even Al-Asma's describes the such it is given in its given on loss, by the Hara:

Dr. Tallat Abdub adds that between the early volcanic activity in hospitalance among membrals the Arabian Tempsula, the healthearter on, a fine of faults dust conclude active interest earths assert from the Faults of some also perfectly the map asserting as it may be provided but falled with water from the Indian Ocean so that it becomes a seo or gulf in length, like an arm of the Indian Ocean.

congress states are educated to the Corman scientists. Travil and Cording about the season waves on the sealed of the Red Sea, whose





results were published in the Magazine of the Royal Institute of Earth Science confirmed the presence of fault lines with basic volcanic rocks at their bods which uniques that they continue to expel volcanic layar through its length till lodge.

In 1966, geologists measured the extent of the opening of the Red Sea with respect to the reof that runs perfectly at its middle as 2 continueters per annum, which implies that the Red Sea is in continuous me into and expanding overtime in such a way that they agree that it will become an ocean in future and



that had not a the rate of most monthly is an massed at the yell and activities and carringuakes.

ak form threatens H

The Hejaz region have withersed some vibrations and tremos in the harth as a manufact page approach to be to rail statutes in their exhibits any the geographical extension is the point to the rail of the heal has are found and likewise the group of excises of the Question form ascribed to the Question Soa known as the Red Soa because extends longitudinals. If the dates from oil its form in and others of the National According to the Vibrational Soa because extends longitudinals. If the dates from oil its form in and others of the National According to the Vibrational According to the Vibra

periods the prosence of times of which some passage by early toping

of Hejaz, so that its rock composition is non-homogenous in such a way that hard rocks are placed on relatively weaker and fragile tooks, making the spaces was public to rock, dispose this one begins rome that per the seasons is see to the Arabia's Figures, a passing by apail Al-Hejag province and the highlands of Najd.

The signs of weak form extend along that line from the active flow of volcano (of Al-Harat) and from the appearance of faulting and rock indeptations which imply that it is within the Hejaz region in its transverse direction, a number of the spaces are susceptible to active inances and in that other active is that protected the region from being subjected to what other active in regions experience of destructive the lakes, such as for the data disstance. Majorith are in Vention as in or or respectively man joining speasors example along that cannot be strated for in the Rea Sea split, including part of the great Min and Payoom despite the fact that Hejaz is a region that cannot be strated for in the Rea Sea split, including part of the great Min and Payoom despite the fact that Hejaz is a region that cannot be strated for in the Rea Sea split, including part of the great Min and Payoom despite the fact that Hejaz is a region that cannot be strated.





Affair a project on ment the space got in momentum mental hazards and restricted to the sets ment they are completely as the factor of the sets to the space of the sets to the space of the sets of the sets to the space of the sets of

has it prevents he evaporation of water by the scording sonfavo and the region is protected against drought-related agents or lesert his aim in the the analysic characterized by he abundance of walk resources, boths / ameans is a aid determined by he abundance of and in a horizon. A sales protected of the Sacres He are from narthquakes, volcania, reptions and reserving above dryness and all has true desasters also a levels throughout history becomes manifest

Carlat M. Harvimac Abeliah - Cognitive and At Laric Carallo Former - Mascaba - Are Nabac ab A. A. astrona - acro Ango, Azig Saloh - Shang Al-Adna At-Qaderia - Taba ah Ash Thabitia)



## Fertigizing Winds

The miraculous verse

"And We send the winds fertilizing (to fill heavily the clouds with water), then caused the water (rain) to descend from the sky, and We gave it to you to drink, and it is not you who are the owners of its stores." (Soorah Al-Hitr 15 22)

#### Lexica Interpretation

It is stated to Makistar As-Situit regarding the subject (logoba) that applie the maie (pigot) fertilizes the she-carriel and the wind is air not up across the barth and no winds account to be and you don't not say almostly positives, for a screen account to said the day bases situation on a subprement but approximation or replications.

s Iself supplementary for example—the winds supplement with something good and when the winds moving across the Farth originate they contain good that gets to it. And all his Address on A art was pleases with a repair to the managers of the source of the source of the story of Canadah and deliabate atom the students of the story let's consultations at Tabar and Justice has a true more correct to source or the second deliabate atom the students of the story let's consultations at Tabar and Justice has a true more correct to source at the second deliabate to the plural of liquid, meaning - In arting the cloud and good and its opposite is a barren wind

Based on the first position manager is the prima of memorphish and based in the second of will be helpe to at about I have a metral leader between both, for the leader of the scholars of Qur'arw exception. We take a reas asserted to both positions expether mo that is because the winds test its water and states are by that the bearing

topplements (polen) and by that if supplements thelf, cakewise, it is supplemented by other than it and its fertilize, the plants is its action on them

Wind pollination is vitafor furthization especially for flowering plants that do not attract insects.

went hy Explanation

Allah, Most High, says in His Noble Book

> في والرسد إيسم أو يم أمر م بن السندو من فأسيس تحدود وم أشدر لله بضروب أيه





"And We send the winds fertilizing (to fill heavily the clouds with water), then cause the water (rain) to descend from the sky, and We gave it to you to drink, and it is not you who are the owners of its stores." (Soorah Al-Hijr 15-22

It is stated in the explanation of this Verse that the winds are the tertilizers of the trees and the clouds and that is the saving of the Abbas may Abab be preased with time finally state has approximate that pullination is a basic phenomenon for fert lization and the production of sons a considering that he pollen grains are to use model to the make structure of a plant to the female structure where fertilization takes place. Pollination could occur between pollen transferred from the stateons to the pistil within one flower (referred to as self-pollination) one models by ween different than we the same spaces to treterized as a coss-pollination).

The means of transfer of pollen grains vary from plant to plant while some are transferred by man – as in the fecundation of dates, for example, there are three other methods

 Potten transferred by potenators like bees, butterflies and other inserts and birds Police transferred by water • Pollers transferred by wind (attemophily)

Wands have an portant roles in the process, dipolen translation planes that do not have fragrance, or nectar or showy petals that attract insects since the wands transler the potten over distant places. For example, the potter of places is such as the area at an expected with a same sold by translation, section of HOC is an attenuage the grains may use their viable. In the process, before it makes the tennale structures of the plant and completes pollination, either plants the reis on winds.



polimation are the pine, strigging notific, poplar and hazelput

The New British Encyclopedia mentions had the flowers in wing-pollurated plants may be placed very high on the plant and they may move easily in the breeze, shaking out the pollen containers burst open in an explosive fashion when the sun lists them, scattering the pollen widely into the air.

Are these scientific facts not corroborations to what is said in the Book of Allah

﴿ وَأَرْسِفَ ٱلْهِيمِ تَوْمِعِ فَأَرِبُ مِن السِّمَاءِ مَاذَ وَاسْتَحَكُّوهُ وَمِنَ أُسِّمُ لَكُ تَسْرِيفِ إِل

And We send the winds femilizing ito fill heavily the clouds with water then caused the water rain) to descend from the sky and we gave it to you to drink, and it is not you who are the owners of its stores." (Soorah Al-Hijr 15.22)

@ \* >

Was Prophet Mahammad, peace and blessings be upon him, a botanist to issue statements like these or is he the unlettered Prophet? Or did be receive lessons about plants when he was a resident of the fesserts more than fourteen centuries ago?

Scientific Reference

According to the Scientific Encyclopedia wind pollination is peculiar to plants that do not have fragrance or nectar or showy petals that attract unsects, since a large amount of dry weightless pollen grains are produced and dispersed by the passing wind over long distances to to the seman structures of the passing to the arguments of the ponen grains present in the wind can causes sensors allergies in people

The New British Encyclopedia mentions. To facilitate exposure of the Cost to the world the week better the travers as our respring to inversions be placed in a high on the place. The stigmost offen as hone, and divides not arms in tobes, so that a large area is available for catching pollen grains.







#### Point of Wonder

The point of wonder in the Verse is a pointing to the phenomenon of wind-pollmation. He, Most High, says.

And We send the winds feetilizing ito fill heavily the clouds with water, then caused the water rain to descend from the sky and We gave it to you to drink, and it is not you who are the owners of its clores," (Soorah Al-Hijr 15:22,

and this is what bolonists discovered in the last century.

Summary

Wind Air mass him ng from the areas or high pressure to those of lower pressure which are administrable in temperature differences also caused by anequal distribution of heal from the surple higher with oil mine sure for her had properties of sold and because it in such as

wind varies in its direction, speed, strength and effects.

The word right or right (wind) occurs fourteen times in fourteen appears in the Noble Charlan some owhich are blessings for manked as the trainess of raine to or were the one arth appears are good with marker were were sent to another arrogant, feducal people and ruth them.

The wind has a great role to play in the formation and accumulation of clouds over one another, and their being raised to the upper strata, their association with different condensation materials and the discharge of electric charges. This is the great role of the winds with his over attenued by much to scientific research and has been mentioned by Verses of the Qua'an more than fourteen hundred centuries ago even before our earthly sciences affirmed them; and in this scientific precedence are the Verses of wonder.

"Allah is He Who sends the winds, so they raise clouds, and spread them along the sky as He wills, and then break them into fragments, until you see rain drops come forth from their midst! Then, when He has made them fall on whom of His slaves as He will, lot they rejoice!"

From modern studies we discover various kinds of winds based on their interactions with clouds

- Those whose functions are restricted to agillating the surface of water to bring about water droplets above the wave surface
  - 2. Those that move the clouds after their formation and their

     ms tak int water vapor to higher levels in the atmosphere
- Those that control the movement of clouds with case and gradual accumulation.
- Those that divide rain-bearing clouds and distribute them in different localities.

or a street of the street of t

This division is evinced by the various forms of winds and the chain of their actions in the phenomena of cloud condensation and the stages of and to maken from its impact on the water into a decrease and remarks assertion to its gradual necessarial distribution and descent in whom and what it also Mass High, wite.

various forces of winds as is known by modern science:

"By (the winds, that scatter dust, And (the clouds, that beg, heavy weight of water, and those that float with case and generalizes and those who distribute (provisions, rain, and other blessings, by Anaha Command," (Socrah Adh-Dhooriyes 51-), 4)

Ple Most High, swore by the winds that agnate the dusts and vater vapor = 0, the winds that a limit = 0.11 here or the winds that one of the season loughts as water a new to regime with the courts of the winds of the winds that move with the croads with every gentleness and case one, they can float mail, they are gentleness and case one, they can float mail, they are gentleness and case one, they can float mail, they are gentleness and cheep by the winds of the action he various rambous and close to the or the careboard with A list light wishes as rame of blessings or deed action and rank. And more was to retheir provides and rank, and other blessings) by (Allah s) Command, What a wondrous consecution between the position of modern science and the vires of be Nable Que and, in which the sequence of various stages of cloud formation appear like marvellously depicted scenery.

Modern where a send trus the count the winds in the improposition of services of exact sends condensation materials and in the phenomena of negative and positive institled scharges in the cread to prepare the conditions for ramfall. It also affirms the role of the winds in the transfer of policy from more structures of the plants to increase structures to terribize it.

#### Two cycles of fertilization:

- 2. The first stage: Lightning is generated, which travels at a speed of 360,000,000 km/h and thunder 333 m/s with an interval of five seconds every male and from this, the distance between an observer and the (lightning bolt) cloud can be estimated.
- The seeds are formed and plants are potamated by the transfer of pollen grains.

These two cycles are mentioned in the Qur'an regarding the (fertilizing) wind; Atlah, the most High, says:

"And We send the winds fartilizing (to fill heavily the clouds with water), then caused the water (rain) to descend from the sky, and We gave it to you to drink, and it is not you who are the owners of its stores," (Sourch Al-Hijr 15.22).







# The Shadow (Refraction of light rays)

Atlah, the Amughty, says:

يه بيراد إلى يبدكون مدَّ بجال ولوَّ مَاء بعديدُ ماكُ شُرِحمةٌ الممس عام ديالا إن

Player you not seen how your tiord spread the shadow if He Willed, He could have made it still then We have made the sun its guide [i.e. after the suruse, it (the shadow) squeezes and vanishes at midnoon and then again appears in the after soon with the decline of the sun, and had here been no sun light these would have been no shadow; (Soorah Furgan 25:45)

The shadow here refers to be shadow in its general sense whether it is hare animals stiplants or nanimate things based in the original one.

that the night is from the shadow of the Earth. The Verses inviteto our considering the creations of Aliah Who has perfected the creation of all things, as we observe in the shadow. He is the One Who created it, its means and limits, for if He, most High, willed He would change its characteristics and make it still without motion. or make it disappear a together, as it occurs in some thirt. Like Neptune (Utaand) for example, the nearest star to the sun, its night is plways right and its day. as always day and shadows on it would be motionless.

Allah, the Mighty and Subisme, has made the sun as a mark for the shadow. Thus, through it (the

so to the shadows) because known and contact to the service of this highs and bubi melipresented one of this highs to the universe and one of His nursacles to our generation, the shadow

### ﴿ لَلْمِسْتُرِيْنَا فِسُابِينَ ﴾

"Then We withdraw it to Us a gradual concealed withdrawai." (Soorah Furqun 25:46)

It is important to note that the shadow which is mentioned with the words "Fix withthaw to Lisa gradual untidinual" is the shadow (images created by the light rays from the sun). As for the shadows (images) from a samp, for example, or the glow of fire, it will not fall under the meaning of the Verse

Allah, the most High, has not left the shadow that





tother he reduces a bit and made at smaller technic with the proper explanation and about estanding of the Norse. And essay, he was study the phenomenon at retraining a task as any pass through one modeling to others with varying densities.

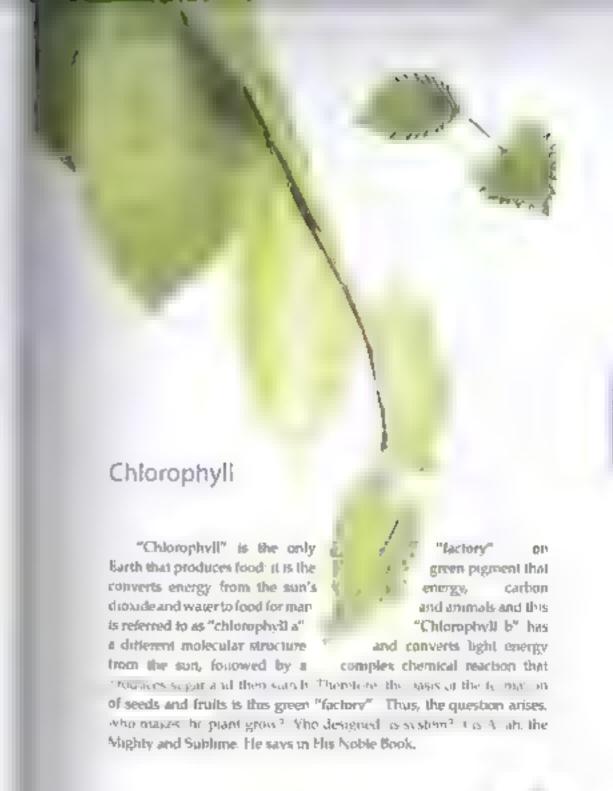
the settle and the settle settle straight ones in a brone period mech or with a parameter census. If they but another median is one of travel is bent appropriately based on the variation in a density in both media. Most on the solvent of the phenomenor by the analysis of state of the sales while the other one opings in the arc. In its removed nominal whole it is found straight and if returned it is found bent.

You may have wondered about the reason for this, The reason is the necessary few attractions are not to verticiny be water to air due to the variation or this sign of secondary as a secondary to the sign of secondary and secondary to the sign of secondary to the second

• We return to the shadow formed due to sun rays. Rays emanaling from the sun-cavet in space in straight lines and some of them but the Earth's atmosphere in a lines a retailisety lighter density. The ray bends to travel in another straight the at a particular angular hors we know that the phenomenon is correction as the lass in an gradual withdrawai of the shadow.

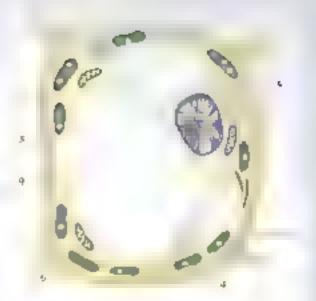
to make a lawager regionity kysteriodal Dasent







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### ﴿ وَاوْ الْمِنَهِ الْمِنْ اِنْ النَّذِي مِنْ النَّذِي عِنْ النَّالِ اللَّهِ عَلَيْكَ مِنْ النَّالِ اللَّهِ عَل النَّرِيْنَ رَبَّهُ عَلِينَ الْمُرْجُ رِبْتُهُ مِنْ النَّارِينَ الْمُرْجُ وَالْمُعِينَ فِي النَّاسِيمِينَ فِي

"It is He Who sends down water (rain) from the sky, and with it We bring forth vegetation of all lunds, and out of it We bring forth green staks—every green thing—from which We bring forth thick clustered grain" (Socrah Al-Ana'm 6:99)

scholars of Q1 and emposes and Analoge means suprething green the Malasco sale regarding the Qur and Verse from grown of them, for a Analogo," two savings the second from the plants and shape meaning - are given Az-Zamakhshari said from the plants and many our many or many or hards to a part of the said means some many with given hards and the means some energy given Al-Khazar said. If an arbitrary trong or it is tailing the means some energy given Al-Khazar said. If an arbitrary trong or it is tailing. He means given An-Nasher said, from arguing the firing or it is tailing. He means given An-Nasher said, from arguing and firing article from the plants. I malitan the said means something, as it grown this was also the operation of Abu NeSte set and the worship should be said.

Al-Alluost said. Qurtain and Ibn Havvaan said. We brought forth from the plants something green:

### في وقو بين أبرل من الشندو بأنَّ يَأْمُ شَدَا بِهِ بناد كي مورو بأجرت شدُّ حيد إله

Tit is He Who sends down water (ram) from the sky, and with it We bring forth vegetation of all kinds, and out of it Ye bring forth green stalks\*

that is, from the plants we bring firth from it, meaning - from this green thing

### 《红山花花花山

"from which we bring forth clustered grains"

dm Actawas said: we bring forth from it, that is - from the green thing clustered grains ake wheat and bazley clustered such that some are above the other

Az-Zamakhshan sato

# ولتي بندي تترجي إ

"from which we bring forth clustered grains"

meaning - from the green thing, clustered grains and these are a warf and barles be ponder along with me in the way the schools exercise explains the set up of A ab the Nighty and Sublame "from the extra the brank from kinetonic meaning from the green substance has a they did not know about this rophy for its repollutible words of the Que'an defined at for them and made the path clear.

### عه عام من الله عن الأسل و مأسر من منهم الأسراع منه عَيُّنَا الْتُوْسِيحُنَّا وَمِنْ اللَّمَانِ مِن طَّلِيهِ الْمِوْلُ وَاللَّهُ وَيَضَّمُوا فِي ﴾

"And with it We bring forth segetation of all kinds, and out of it We bring forth given stalks from which We bring for hishigh caste edgrain. And out of the date palm and its spathe come forth dissters of dates hanging low and near, and gardens of grapes. "

in these Verses, "Januari" is in the accusable case, why? So that we can also bring send passents it grapes one s and pointegranates. blue's threat in kind, yet fractent, a yet as still taste as a accordingly Muhammad peace and bloss age to constant, the morning applicato spin hours preprior this great achistance from which he plants one forth? There are some plants and from them something given is broughwith so with proof was the ground and souds and multi-and other parts of he plants to a expense this is spin? I are coduled that deducts at his graph substance? A in know is a magnest this knowledge is on a from Allah, the Mighty and Subleme.

An Rose House at-Salaran by Shopky Allafull-Restord as Amdranged





#### Fear and the Rain

The first campaign Muhammad, peace and blessings be upon him, emplayed in was the monten has battle between a six let and is any care y he Buttle or Busto or non-the block as promined not a sourmal number in one ing to occomply a trade-caracian of the disbelievers. Eventual is the Masterns had to save a large strong army greater than them in number and equipment, and when the battle started the disbelievers appeared sure to be victors.







Anah, Most High, says

### ﴿ وَإِذَ يُرِيكُمُوهُمْ إِنَّ الْفَيْثُمْ وَ أَنْتِيكُمْ فِيكُ رَفِينَا حَشْرُ وَ لَيْتُهِمْ بِكِينَ الدُّالَانِ كَانْتُ مَثَلَا ﴾

"And remember when you met (the army of the disheltevers on the Day of the Bartie of Badi... He showed them to you as rew in your eyes and He made you appear as few to their eyes, so that Allah might accomplish a matter already ordained (in His Knowledge), and to Allah return all matters (for decision)." (Soorah Af-Anfol 8:44)

The Usia inverse a speared some to be exclose against by a systems were small or not be slightly increasing or increased as notified as not the consumers that were about a Company of exclusion of the forestmen would equal about terminations motived. So in order to pain victor, on the bat lefterd the Muslems began to some A lab s assistants, some in a A lab of sever s on the tight amongst as ossist lam.

But Adah does not abandon His servants. He did not abandon His Messenger peace and blessings be upon bird, who so wer draw this was a decision war and so he soughs Allah s help and Allah reveales the words.



### ول سبيلود رسال هميوب محدان المددر بالباس سنها در دور وقائدته التراك والمشرق بدقاريكان في

(Remember) when you sought help of your Lord and He answered you laying will help you we his thousand if the angels can bebelled the other ifollowing one another) in succession. Allah made if only as glad tidings, and that your hearts be at rest therewith." (Social Analot 8:9-10)

As soon as the Muslims began to see Aliah's soldiers amongst them, their hearts became contented, and there is no victory except from that not from the ampeters of not from man it hally what happened? They were all overcome by sleep that Aliah has made a blessing for han for when we steep our bodies become replenished after exertion and breakness. Aliah, wishing to your exist what is decreased with tep.

skeep overtake the terrified Muslams on the night before the battle all at the same time. Thus, every one of them slept deeply and their resolve grow strong, in fact, some of the Muslams had wet dreams and became sexually unpure by morning bhutare based.



an you fight and then meet your Lord while sexually impore?" Low

Allah caused the machinations of Shartan to fail and dropped rain time the heaven that they may purify themselves with and be runnft the machinations of Shartan.

Poctors say that in the state of fear certain substances are secreted in the blood and the body stayers and is not stable as a result and one of the means by which the body stabilizes and can reduce the secretion these substances is to shower water on the person of this condition.





bainful is also from the physical means that Aliah has made a cause for seadastness e. Mushims in restricting this substance in the blood and physically lockly by the land upon which he tigetims on the path. if Allah man high is the Messenger of Allah pears and hissories be the har De look and who has opened where he we go perme a the conspect ment of probability on both groups - the are yes the A asians with the adgets and those of the hisbehovers the Museums appeared to meniase to number in the sight of the disbelievers so much so that they appeared twice their number after they had seen their 5tha to number

Allah, Most High, savs:

"There has already been a sign for you (O Jews) in the two armies that met in lombal or the Battle of Badr. One was fighting in the Cause of Allah and, as for the other they were disbelievers. They tthe Believers, saw them The disbelievers, with their own eyes twice their number (although they were thrice their number), And Allah supports with His Victory whom He pleases. Verily in this is a lesson. for those who understand." (Soorth Act Timean 1:13)

4d- im larger a femorial by Popt's Abdia Majord at Andreaner, with some meditivations.



### The Mysteries of the Clouds

Allah, the Most High, says

﴿ أَوْرَالُ لِلدُيْنِي مَنَا مُ يَلْكُ يَنِدُ مِنْ لِللَّهِ وَلَا مِنْ الرَّدَكِ المُنْ مِنْ وَهُولِ الْمُنْ مِنْ اللَّهِ مِن مِنْ لِهِ مِنْ مِنْ مِنْ مِنْ اللَّهِ مِن مِنْ لِهِ مِنْ مُن

"See you not that Allah drives the clouds gently, then joins them together their makes them into a heap of layers, and you see the rain comes forth from between them And He sends down from he sky. had (like) mountains," (Sporch An-Noor 24:43).

And He, the Mighty and Subume, says: "And We have brought but poor cipital. " meaning -what is spent gradually

A Study of the Formation of Cumulus Clouds

Camplus clouds begin to form from dispersed clouds that an gradually pushed by the nuld wind driving the clouds and then they inn together. Cap alus cours one when two courds join tegether or where one you'kly bonds up and when this happens, the ad corrent





(thermals) that spontaneously arise in the modele rise to the top. Our a thermal emerges as a cloud turner at the summar or the flanks of the cloud, rapid evaporation of the dreplets childs the flour borders destreas the cloud area, and produces sentency. It is in an implication mentioned in the Quir'an

### (ないないにのは出ります)

"See you not that Allah drives the clouds gently, then joins them together..."

hereafter it buttels up from top to bottom layering the clouds one above the other - a heap of layers and as such, the verse reads - " .then unites them into a large of layers. "; and after a while (shorter than the time it took between the in my together and forming of layers on the interest of as ers. " In this case of as the layers, of as the layers, stops, it begans to weaken and as it weakens the rains follow and as such, the said: " .and you see the nun comes forth from between them demous is Aliabe.

How many a time do people see the cloud...? Did they know its necessary? Fact term men increase in knowledge, their faith usin ases that this type and is rore than the demonstrate most high and that it is true which faisehood cannot come to from before it or behind

1986 Gallan Air or Antonior By an Employment







# Rain comes down in it, e me saire and revives the dead land

Allah, may He be exalted, says in His Holy Book

﴿ وَالْدِينَ رُبُّكُ مِنْ السَّمْلِ مُثَالِمِ لِللَّهِ مِنْ إِلَّمَا لَيْنَا كُمُونَ أَوْمُونِ ۞ ﴾

"And Who sends down water (rain) from the sky in due measure, then We revive a dead sand therewith, and even so you will be brought forth (from the graves)" (Social Az-Zukhruf 43-17).

This Verse is very important from a meleorological point of view. Those who read this Verse fifty years ago could not have found and dring extraordinary in it because materians to sciencists in heil ith entire idea in neuron is what resulted when water is the term in suppor condenses due to a drop to temperature and turns back into liquid.







To other words, they described the process of fourds arming our rains at very sum of superficts and the implete terms, that was some sections and not ret understand how compare this process as Because it was not possible to ask these adienst scientists these questions, he questions listed below were not part to anyone.

- How can clouds in the upper strata of the atmosphere, where temperatures are as low as 40°C, such as the clouds over Sibersa, remain as clouds? How come they do not condense and fresse then fall to Earth in the form of sould blocks on the heads of these who make talse claims?
- Why does a drop of water reach a particular size? How does this drop fall down to Earth with some kind of balance? In other.

words, what are the conditions for the formation of the drop reat maches the pround very gently without much disturbance to the ground?

 How is the vapor in clouds formed? Where does the salt that is present in the clouds come from, if salt does not evaporate with water when temperatures reach that level?

Science has tried, during the last 20 years, to answer such questions as these and it has managed to answer most of them.

Now let us read the Verse once more and find the important points in it.

Allah, may He be Enalted, describes the descent of rain as a physical phenomenon that is very important, as important as bringing the dead back to life. Hence He says

### ﴿ وَالْذِي إِنَّا مِنَ السَّمَالِ مِنْهُ إِنَّا مِنْ اللَّهُ اللَّهِ عَلَيْهُ اللَّهِ الْمُعَالِمُ اللَّهُ فِي

"And Who sends down water (rain) from the sky in due measure, then We revive a dead land therewith, and even so you will be brought forth (from the graves)" (Sooreh Az-Zukhruf 43:11)

Whenthe Qur andescribes rain, it describes it as curring down in due measure properly calculated. "Water in due measure", an according to some measures and estimations. This is the definition of mathematical termulae.

"then We remove a dead wild therewith". This phrase appears in the middle of the Verse, and it is not a simple



or ordinary phrase, because the Verse does not say that run leads to the irragin to the of vagatation leader it says was above as a dear and the same is a regime of dear area. As we discuss the meaning





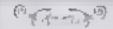
50 this Verse refers to accords that have to do with scientific metacles to a large extent Now let us sum up the miracle of rainfrom a scientific point of view

Thus fathest. scientific research. explained hats many points that were previously anknown to us about water clouds and Jailly. The dutcome of this research has shed more light on the mitacie in the Verse quoted above. We



may sum up the outcome of this research in the following points:

1. One American scientist. Vincent Schaefer, stated that water particles, if they are clean, completely pure and very small, do not freeze until the temperature reaches 40°C. In order for water to freeze at 0°C, its mass should be large and it should not be completely pure. Clouds are a form of water vapor that quackly turns into very small particles of water) in other words, a cloud has a very particular physical composition. This is the reason why the regular characteristics of water are not applicable to 1 I tonco was seen on the course or the atmosphere in the temperature drops to -30°C.



2. Clouds are formed from very small particles of water which are gathered around particles of salt or cosmic dust. The basic element of rain is these particles of salt or cosmic dust which form the nucleus of every small particle of water. No one knows until now where this cosmic dust comes from, just as no one knows how the salt particles end up in the clouds. But it is believed and thought that they are the result of evaporation that takes place near the ocean surface, as the salty water carries with it particles of salt when it evaporates.

It is thought that one cubic prisimeter of cloud contains one betten small particles of water and that between 50 and 5,000 droplets of rain are formed an each cubic conometer of the clouds, and that these droplets turn into rains drops according to precise measures or calculations. Up usual #950, the theory of [thergrun? Berggruen? Find.cs?] about clouds was sufficient to explain the formation of water drops. This theory said that water droplets originally form a frozen center, and as a result of other droplets gathering around these frozen centers, rain occurs.

- 4. Recent scientific research undicates that the increase in size of water droplets in clouds has to do with many factors and conditions and that the size of any water droplets increases gradually and is dependent on many complicated and interconnected factors, these droplets are even able to overcome atmospheric conditions where temperatures IaB to 40°C.
- 3 As to how rain is formed, it is as follows:

Small particles of water gather around the nucleus mentioned above and increase in size. As the drop of water starts to faul down, the area of its surface increases as it approaches the ground, which makes I have becaused with the arry by the of the air so of talls persist of the ground. This bacance is another Divine miracle because the drop of water gains speed as time passes during its fail reaching its appropriate speed as the when it reaches the ground it faces as it it has a parachule.

In the light of the series the facts, let us read he first part of the lith verse or south a limited and who sends down water rain tom-



I becompare that a minimum plane it his yorse so will require that the issue 6 rath is a Divine to mode aron to the nitracte of giving lite to the dead.

Modern science is secully the science of measurotopy regards the h meation to rain and its to any to he ground as a scientish impacts Hence, many volumes have been written about it.

and use any diaders who want further information on this topic to refer to the following scientific books.

Elements of Cloud Physics, by Horace Robert Byers

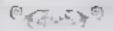
Cloud Physics and Cloud Seeding, by Louis J. Battan.

New let us neturn to the meaning of the second phrase of the verse "There is not a seem when the sectle and to a a second by he game to the (from the graves)"

There is a secret, dead land beneath the soil when the soil is dry. That is because the son, is in tact all it and this visably emerges when ram falls. What does science say about this matter?

There are buge numbers of bacteria in the soil, as many as one ntillion in oneg of sor. When rain is withheld for a long time, these bacteria lose their vinality and it is iransformed into what may be described as a coacceptate ode. It has can be a base hasteria regain. nerr sala by any begin their production campages, and the first thing they produce is mangen. It is activity leads to giving life to thousands. of small long be logs. Thus life begins to be restored beneath the soil as the fertilizer indrogen; is to uses any mains small seeds which woold never massions similar begin to spread roles deglid to spread down making tunnels beneath the sor which act like mads in littles. Then small used's and plants begin to build their homes there and it becomes like a its that is to meet beneat a the soil. They a dead a setransformed into a living city full of life and movement.

What is the secret behind the rain's giving the How can rain revive biological functions and bring back life?



In this context, the Verse directs our attention to the connection of rain, and hence, water, with life and calls upon us to understand this attoriso : Income hemical material asymptomics 5 % y These ourses in ordain many particles among was a are some particles. iar icles which app life a animac and preserve d. Those are he "grogers, "sen [77] parts les which are known as the his onigen bin les may be gen connection. These by diviging partitions has yet continuously give. I ferent once sto could reso particips has her ranster and perpetuate the filese by frogen particles, an only enteract with other hydrogen particles that appear when water is inmaed and lurned into oxygen and hydrogen particles.

I stole appear to heavy heavys within her option I am many a up a soft will real water it be serves its. A part con a digensity code, but these particles and codes occur in an isolated and solid form, and annual grow or move. But I the lane govern water which releases sporogen pactures when it is uposed the from general addition as to PARTIES.

It may be noted that this law applies to germs in particular, in a very simple manner. As for the large aiving beings dual are simples, in apparate in his sector for a long core causes their because to acrophand diminish. Hence, if water becomes available after that, life carnever be restored to those beings and they remain dead.

Thus restoring life to the dead and is based or this precise bude go a aw it we had understood want we read at the Hely Que an engineer a in recent times, we would have best others to discovering these scientific truths.

Now let us read the second part of this Verse: "And even to you tell!" be inought forth (from the graves)"

Now the cerse is addressing the man and saying to him it run heing brough, back from the dead and being revived once more is no more than a reactivation of your genetic code that is loand in the soil, and that will be done by Dryine command.

disting water macro accordingly to genetic indes that are would in the son and life is suddenly born in the son, as soon as the Distance opmand is soud to ristore life these oges will begin to move





quickly, like a computer system, and life will come back once more

What the highest years a scenere of scares groups of the shallo in the senior of wheel works had by a law senior becomes one to the senior and brings at back to late. He is able to restore life to you too

be not her a people was have been the ment Action pages be open him, until now is approximately 20 billion.

- The size of the green time that the person is approximately one than the
- If the genetic codes of all these people which means the state is cools of ter or any people — with gathered together they would only fit! a single cup. If Allah, the Almighty, were to scatter this cup filled with genetic codes on the soil and say "Come to bit," all those people would come back to life in less than one second.

Thus Aliah addresses people of wisdom and reason with such ownesses and says:

And Who sends down water from from the sky in due measure then We revive a dead land therewith and even so you will be brought furth (from the graves)\* (Soorah Al-Zukhrud 43:11).

ARah, Most High, the Almoghty, speaks the truth. Orkhan Muhammad, Ali, istanbus





### The Lowest Point in the World

The Wonder yerses

Allah, Most High, says:

'Aid-Lam-Man. The Romans have been defeated in the neatest land (Syria, Iraq, Jordan and Palestine), and they, after their defeat, will be victorious. Within three to nine years. The decision of the matter before and after three events, is only with Atlah, (tiefore the defeat of the Persians, and after the defeat of the Persians by the Romans and on his Day the Bellevers, i.e. Musiums, will repose, at the victory given by Atlah to the Romans against the Persians! with the help of Atlah, He helps whom He wills, and He is the Almighty. The Most Merciful' (Sourch Ar Room 30:1-5).

anguistic interpretation

the Newtonia and in Lean Al-Andr the word Admittanslated in the Nerse as in the newtonia to the country of the mean and the second and property to draw near their surports on an arrather form of record from Ankalba. It is not as a similar mean of Albania and Aba Sa good in their books in these half also means approprie.

The Understanding of the Scholars of Talseer

The schemes— abservant as at bear. Also, it in At also and bit kalbert rebition to the bird meaning in the ward often is bear or They mentioned that fabur? And means the crosest ope it has been carraised from bin Abbas and As-bacca that the war between Kinne and Cersia is mitted between within and alestine from An bird had As-Asquaint defined by place of the batch as being between Adhir at in Jordan and Bassa (n Sham (Syria).

Scientific Facts

the lowest point on the Earth's surraine is the one adjacent to the Dook Sea to Fluestine. It is three hundred and minety even meters below sea token obtains been informed or, aget to images and ministration is scient for intermediation.

Allah, Most High, says in His Noble Book

'Mif-Lam-Mirs. The Romans have been defected. In the nearest land (Syria, Iraq, Jordan and Palestine), and they, after their defeat, will be victorious. Within three to once years. The decision of the matter before and after obuse events, is only with Analy before the defeat of the Romans by the Persians, and after the defeat of the Persians by the Romans). And on that Day, the believers (i.e. Muslims) will

rejoice at the victory given by Augh to the Roman against the Persons with the help of Alah He helps whom He wills and he is the Almosty he Aloss Meridal Socialis. A Room 30 1 5,

revelation or these verses was the battle, which occurred between the Persian and Roman empires at a place between Athrial and Basza, close to the Dead sea the Persians were victorious theseur This was in the Year 619 C.E.



Were the many of the first has districtly

Muslims were

grieved at the deteat of the Romans because they Romans, were the use of some practical a historial, resealed, on good and to whom a book was revealed, while their resides over May, and, the worshippers of fire. Thus, Adah promised the Muslims that the Persians would be deteated in a social outlet within those to nine years and that the nitory of the Romans could be not be so to the Romans could be not be so to the social of the Newsons over the polytheests (of Makkah).

what the Noble Qur an premised came to pass after seven years to written the timeframe which the Qur'an had stated earlier. The second battle between Persia and Rome occurred in 626 C.B. and the Romans were virto must therein and this come decision the victory of the Muslims over the polytheists in the Battle of Badr.

Anyone who contemplates these Verses of the Qur an observes that I here it is the 1 the 1 th or or of the person of the person of the normal and the person of the person of the normal and the person of the house of the person of the person of the house of the person of the

### 

"And say Proise is to Allah, you shall soon be shown His Ayet (Signs, Verses, etc.) and you shall know (hem..."

hurent the Reference

The Encyclopedia Britaining states about the Dead Sec. A stranded to twenty but between special of a room it is the course water but a contained and these hundred and twelve reet. I little soughts cour hundred meters 40ths, relies sea for the strandberry as a serviced between an arrand beard was up after the Arabi case was made bear for his start are present as a sea western bank of the sea. The Dead bears is a case between the ansat but at a cities and the last including patients as to case.

Millaculous Point

The moral foles period or the statement of Allor Albert 1 pts. Spend Allor becomes from a telephone word and a Violat long and means between the lowest point is the Dead Sea in Palestone. exactly as recorded by satellites after fourteen centuries.

She has the Andrews as a member report. This between was the action some percentages are the percentage of the action of the reduced there are a members at the action of the reduced the action of the reduced of the some of the percentage of the Book of the buttle but some associate while the Christians and the Mushims were greeved. Thus Anah

revealed these Verses to console the believem and to dampen the joy of the unbelievers, A tab. Most Sligh, - says

"Allf-Lain-Mim. The Romans have been detected in the searest land (Syria, Iraq, Jordan and Palestine), and they, after their defeat, will be victorious. Within three to nine years..." (Soorah Ar-Room 30: 1-4)

That is, in less than jon years. After this information, Allah says.

"The decision of the matter, before and after (these events) is only with Allah, (before the defeat of the Romans by the Persians, and after the defeat of the Persians by the Romans), And on that Day, the Bellevers (i.e. Mushims) will rejoice (at the victory given by Allah to the Romans against the Persians) with the Help of Allah. He helps whom He wills and He is the Almighty, the Most Merciful, it is a Promise of Allah and Allah fails not in His Promise but most of men know not. They know only the outside appearance of this world (i.e. the matters of their livelihood, like irrigating or sowing or reaping, etc.) and they are heedless of the hereafter." (Sourah Ar-Rum 30:4-7).

When those Verses were revealed.

"And on that Day, the Bellevers (i.e. Muslims, will rejoice (at the victory given by Allah to the Romans against the Persians), with the help of Allah. "

They were followed by

"(It is) a Promise of Allah .t.e. Anah will give victory to the Romans against the Persians), and Allah falls not in His Promise..."



Meaning the Romans that were defeated shall become victorious within a period of less than len years:

"And on that Day, the Believers (i.e. Muslims) will rejoice."

The smooth aspect of this letters is not the besidence a proper therein. After this

"It is a Promise of Allah and Allah falis not in His Promise."

a.e. about what will be-

"but most of men know not."

These statements are used feetings in the greate printe printe arrogance one down near to the pois breats. Thus, one of the native expers has not the the Verses area to Abu Baker may A sale the pleased to the hit, and said. Do you see what Muhammad says? Abu Boke asked I what did he has? The said. He says the round he shall the Poissains. Abu Baker said. He says the round he shall the Poissains. Abu Baker said. He says the round he shall the Poissains. Abu Baker said. He says the truth meeting than seven mosts had passed before the promise of Atlah, the Countries and Most riigh, area to pass to the die victory of the Romans over the Perstans and the Benevers reposed. This was in the year of the Treaty of Hudaybayyah.

"Auf care-Mim. The Romans have been defeated in the negrest land (Swia, haq, order and Parestine and they, after their defeat will be victorious. Within three to nine years..." (Soorth Ar-Room 30:1-4).

This was a nursure for the caracter general on or Man. This is hidden matter which they ame to is most after seven years of the result into os, the Qur an As a result some of the antichevers, are optical island and said. Mahammad is an injectingent person not one deranged, he



piecegoid al in his miligion, his fation and the en nots of Islam on the corn of a proposition state. In third a short per set of give which would be within his own lifetime for it. If ten years had passed and Rome had not detected Persia, then Islam, he for an and Muhammad would have faded away (with no one believing them). However, alubational made the dedge with all that he had be from the one and was abigure a about. Then after has seven years had gone what he said had come to pass. It is not possible from this prophecy) in have seen from a main. This most be the work of the include governs man."

And so they (the unbelievers) accepted future.

Az Ziadani said. I met with me of the reading georegists in America. Professor Palmer. He came to me and brought with him a globe of the Farth showing distals of the recentions and dispressions apon the barth the cept is of the sees. And the addition and depths were clear a shown on contours in meters. When he took his seal I said.

We have a sharement of the Quir an that says that the plant tear Bart.

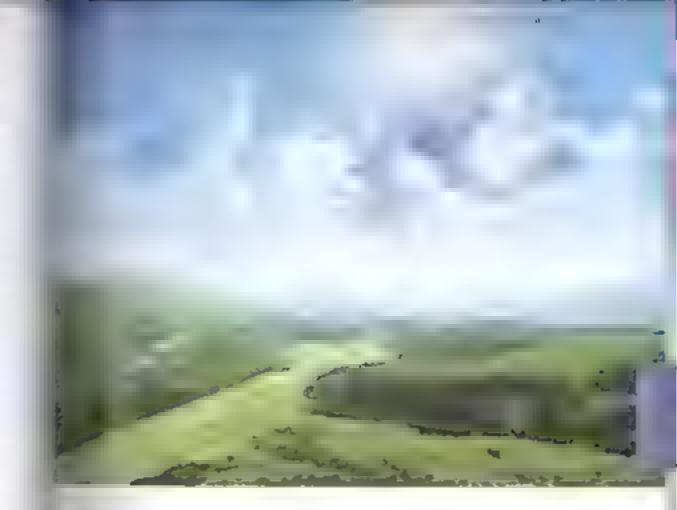
Magel a sylphysical buffle mean place is the role of point in the world.

The statement is the datapatence in the relations or lowest and). The world datas is denived a count imply nearest for example Alf said. Advan-

they are about the replaced the terrest or the property of the area of the rest of the area of the area.

That point is the lowest and I know it is the lowest, but I wanted him to say so turnself ... and he said so. However, when he realized of a from the Quir and he said it is not the lowest point on the learn. There are it alreads in that and which are below see level and certain valleys. "Then he ment oned of her low ands in the would I said in him it am restaining and emphasizing what have said. This grobe of the Faith, contains the height and copities had a not spin it amount quir know and it to the position of Rail Al-Viago sand its environs he found a rong arrow point.", out of the incident with height said. Thus the saw this height had in the form a rong arrow point. The world is he he saw this height had in the form the matter is as a said. This the layest point on Fairly has is the Quillant invested with knowledge of the Chieff hardencommasses a things. Glorious is He. Most High.

· while when the beight block display it is away.



#### The Heaven and the Earth

Our Lord, Ciprions is He, says

﴿ لَمَوْ الْفِي مُنْفِئَ لَنَكُم قَالِهِ ٱلأَرْضِ مَنْفِيقًا لَمْ الشَّقَوَةِ إِلَّى السَّنَالُ السَّنَالُ السَّنَالُ مِنْ الْفِيقَةِ إِلَى السَّنَالُ السَّنَالُ مِنْ السَّنَالُ السَّلَالُ السَّنَالُ السَّلَالُ السَّلَالُ السَّنَالُ السَّلَالُ السَّلَالُ السَّلَالُ السَّلَالُ السَّلُ السَّلَالُ السَّلَالُ السَّلَالُ السَّلَالُ السَّلَالُ السَّلُ السَّلَالُ السَّلَالُ السَّلَالُ السَّلَالُ السَّلَالُ السَّلَ السَلَّالُ السَلَّالُ السَّلَالُ السَّلَالُ السَّلَالُ السَلْمُ السَّلِيلُ السَلْمُ السَّلِيلُ السُلْمُ السَّلِيلُ السَّلِيلُ السَلْمُ السَّلِيلُ السَّلِيلُ السَّلِيلُولُ السَّلِيلُ السَّلِيلُ السَّلِيلُ السَلْمُ السَلْمُ السَّلِيلُولُ السَلْمُ السَّلِيلُ السَّلِيلُ السَّلِيلُ السَّلِيلُولُ السَّلِيلُ السَّلِيلُولُ السَّلِيلُ السَّلِيلُولُ السَّلِيلُ

The it is Who created for you all that is on Earth. Then He Islawa (rose over) toward the heaven and made them seven heavens and He is the Knower of Everything," (Soorah Al-Bagarah 2:29)

Another Verse roads.

### و المنتون الله والمناكرة

Then Helstawa (rose over) toward the heavens when it was smoke ..."
(Soorah Fostilla) 41-11)

The Earth preceded the development of heaven.

"Then He listens from every lowered the horsens when it was smoke" (i.e. there are keys is in the beavens which were smalle. This is the stall ement of A talk, and this is what science correborates it would need by done then go to a weeks, waters a so look at the heavens, you will find smoke in the heavens, a remnant of the smoke from which stars and planets have for each bit draft there or no ask a Beginnit of a contribution."

he would say:

"Smoke definitely emanates from fire"

1 ask

thes true imagine that stars and planets were once seable? and this fire was more serious? this work the or to an core but it is easy to what the Qur'an affirms. Allah, Most High, says;

Then He Istawa (rose over) toward the heavent when it was smake and said to it and to the Earth come outh of you willingly or anwillingly. They both said: We come, willingly. Soorth Fossiot \$1.71).

becomes study the hartenant say "I so me manns were formed by a process of expulsion from within the Earth in the form of volcapoes"

"And when the Earth is stretches forth, and has rest out all that was in it and becomes empty." (Soorch Inshagog 84:3-4).



It casts out all that was in it—this is in the end—but at its beginning muuntaans are mentioned as pegs mentioned in the Qur'an:

'And the mountains He has fixed firmly." (Soorah An-Naziyat 79:32)

The mountains were cast upon the Earth, thereafter water came torth from we him the Earth

All seas and rivers were once inside the interior of the Earth and ame out from the interior to the surface faster to be statement of he Protector, Glorious is He and Most High:

'And after that He spread the Earth.' (Sporoh An-Naziyut 79:30).

About the beginning of creation. He says





Faceb

'Are you more difficult to create, or are the heavens that He constructed? He raised its height, and He has equally ordered it, its night He covers with darkness, and its forenoon He brings out (with light). And after that He spread the Earth; And brought forth therefrom its water and its pasture and the mountains He has fixed firmly.' (Secreti Ap-Naziyot 79:27-32)

Discount the estatement rade the same as mat which is included earner

"And brought forth therefrom its water and its pasture; and the mountains He has fixed firmly. To be a provision and penefit for you and your cattle." (Sopiah An-Naziyat 79:31-33)

But do you know what succeeds this Verse?

"But when there comes the greatest catastrophe (i.e. the Day of Recompense et ... the day when man shall remember what he strove for And Heilfire shall be made apparent in full view for .every one who sees." (Soorah An-Naziyat 79:34-36).

Contemporate discretes which has been winder as Miscons, or fourteen hundred years (1400 years) while they (scientists) are now saying the large started in matching its bisters and for all by it has been related in matching just as the curran less obes in the first particles assessabout the regimning of the matter and second participant the region of the regimning to be the second of the regimning to be the second with the regimning to be the second with the regimning to be the second of the regimning to be the second with the regimning to be the second with the regimning to be the second of the regimning to be the regimning to be

"But when there comes the greatest catastrophe (i.e. the Day of Recompense etc. the day when manished remember what he strove for And helf fire shall be made apparent in full view to: every one

who sees!" (Soorah An-Naziyat 79:34-36).

"The day when man shall remember what he strove for Hellfire shall be made apparent in full view for (every) one who sees. Then, for him who Tagha (transgressed all bounds, in disbettef, oppression and evid deeds of disobedience to Allah). And preferred the life of this world (by following his evil desires and fast, verify, his abode will be Hellfire. But as for him who feared standing before his Lord, and restrained himself from impure evil desire, and last; verify, paradise will be his abode" (Soorah An-Naziyat 79-35-41).

Choose that which you prefer. This is the statement of the Lord of all real residentials studied as interest of the last land what field they find? They found its interior in a state of motion, from which currents of heat emanate. Imagine that the Earth is cut in two halves, we are also of the copyright large. The crisis of the Earth and the remaining



C(F-97 9

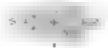
layers consist of the look flood material and a side of consist of the joint seven layers.

The benefit of the crust is that it protects us from that which is beneath it what is beneath us is the a message pot and gipenth rocks spuring out heat waves with which above it is a love dust is a reclaim but Were we to be upon it we would the atowever, Aliah overlaid it with a faint whose the kness is seventh as injectors (70km). This crust which is a conserve is only sevent it longeters. Then there is protected us from what is beneath as though it is only one layer.

"O markind worship your Lord (Allah). Who created you and those who were before you so that you may recome Al Muridgue (pious and righteous persons who fear Allah much; abstain from all kinds of sins and ovlis which He has forbidden and love Allah much perform all kinds of good goods which he has ordained. Who made the Earth a resting place for you." Socioli Ai Boggiah 2:21–22,

This are a beneath as was created so that we are not harmed by the again's interior. Seventiate did not come to know this except to recent decades

A firm however are forming they should be held believed at a millionia.





#### The Sun and the Earth

From remembrance (of Allah) is the contemplation of Allah's Signs in the horizon and in oneself. This contemplation is with the aim of knowing Aliah. Glorious is He, and Most High, such that we est mate Him justly. Allah says

الله بِنَكُ بِي عَلَى النَّسُوبِ وَالأَرْضِ وَالْعَيْنَاتِ. أَلَيْنِ وَالنَّهَارِ الْبَسُو بِأُولِ الْأَلْسَبُ أَنَّ اللَّهِ بِالْكُرُونَ آفَ بِيْسَنَا وَقُشُونَا وَعَلَى مُشْرِبِهِمْ وَالْفَاصِدُونِ فِي عَلَى النَّسُوبِ وَالْأَرْضِ رَبِّنَا مَا ظُلْفَتْ كَذَا بَعِيلًا شَيْحَتُكُو لَيْنَا كَذَا اللَّهِ ﴾

early in the speaked on the deavers and the East, and in the affect ations of might airrilloay, their are indeed signs for men of understanding Those who remember Anahilla ways, and in prayers standing, sittle q, and lying down on their sides and think deeply about the creation of the heavens and the Earth, (saving) 'Our cord! You have not created all this without purpose Glory to You! Exaited be You above at that they as or rate with You as partners wise us salvation from the tor nem of the fire. Add intran 7-100. 9

If these Signs is the gravitational attraction which Allah has puselveror vary one princis. Allah, Most High says.

و الما أليك مع السوب عبر حمد مروم ا

'ABah it is Who has raised the heavens without pillars that you see Sporah Ar-Rad 132

A triply the conject do give realistics of the protest of the st sides all and so the to see the heavens was all are which we see in see That piliar with once of groupe, which keeps the e he so conference of other month of although a glassic state.

The spin or example attracts the Earth lowers, both with to priende is to a smaking the bastle of a macrosom path around the go of an gray aliena, one agreeto sainst the Earth wer is leave its path around the sun and would be flung into the aboss of space in prior darkness and from ignored By ican again both all to por it would cease as its temperature would decrease to minus two hundred and sevents, degrees (190). This is the temperature at absolute zero', the pent at which inchoraceases to occur. Values

Allah, Most High, savs:

Translators Note: Arten v. 200



Verdy Auch groups he heavens and he caste jest they have away from their places..." (Soorch Forir 35:41),

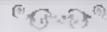
Souther we may appropriate the strong in the egray data analysall of the sun up the Earth Te as assume that his later vanishes for one reason. or the other and more or or the faith temman of leaf with the sum ramp is more to path or within new in the file the same with visite priors of swell Steel as one or the stronges metals and one of the best a so distand up stoom A wire depot distre to but adoption as any millimeter, an support the exalt airm of a bundred knowrants. It as we would require fest time. Street topes, cach tope because one banconed and at a social Promisionnellers on AREOU is a during of a lack of the radiers are up diamond control these shed ropes as Esupport in a than two quilton tons (2000, 200 tons, if weight, Ih is, what could s in magnificate the sun's gravite the public for earth. He is malken constraint page is for the an event wones plant these ropes on the Farth's surface, stoing the sun, we who dibe surpt sed to the attribute to the protect of short or not the spile in water the supplier for severe adjacent papers. So than they amoter faithard tupe this must of ropes, woo discrepe the sun's ratio trape as can detely and prevent as a my are not per or or buy all its removalings cores, past or by Earth to move in its path around the sun dinee in limiters every second! Allah, Most High, rightly says:

## ﴿ لَتَنْفُهُ رِنْ النَّوبِ إِنْهِ حَوِثْرُوا ﴾

\*Analysis Who has laised the heavens without pillars that you see (Soorah Ar-Ruid 192).

He also says:

Yersly. Aliah grasps the heavens and the Earth lest they move away from their piaces. "(Sporak Falls 35:41).



This is from the Signs in the horizon. What of the Signs in the self? The Most High, says:

"And also in yourselves..." (Soorah Adh-Dhooriyat 51-21)

flagues is a day opinion and he had a my observes something same report has a disagrad to all have a mining toward him, what effort does this have on his body. The image of this threat is immediately ast on the case of he eye. This accompation is transmitted to the main. The brain gauges the gray ty of the threat and commands the pilutary gland, which contains the hormone at tenaline to respond to his threat. This he more propares the heart to be, aster a frightened suising's hear poats fistery and enables the rougs to breathe rapid in consenance to the faster beart beat, a frightened person's lungs work. ash transit that he gas is the horomore has a bird less too the broad vesses, onstricting them and leverting blood to be muscles for the ghtened person red tens). It has a fourth effect on the fives increasing he appropriate sugar tipes test to other blood. Sugar of leading to the time. or the muscles. The hormone has a fifth effect on the liver to increase. the blood intang approprie in order to prevent hepterthage. All these actions occur within a few seconds!

This is the creation of Allah, So show me that which those (whom you worship), besides Him have created. If (Soorah Lugman 37.11).

Prophet Mahammad, peace and blessings be upon him, said in a narramor reported by Ar-Bukhan and Masoni. "The simil tode of the one who does not remember his Lord, is the similitude of the living and the dead."

Obstaces St. - Intim By Planblaces







## The Earth's Shrinkage

Allah, Most High, sava

See they not that we gradually reduce the and And Allah judges, there is none to pus back His ludgment and He is swift at reckening." (Sporah Ar-Ra'd 13-41)

his earth six trace is not call their are high make, low on is and over grounds. For another perspective the hards resembles a harmaning to poles and an equator. The earlier scholars of Tables and that

the reduction of the Earth from its borders has one of two meanings. It either means the death of scholars as this leads to remote corruption of life of it means the removal of the lattids of the disbelievers through conquest by the Islanuc state. Earth

However, modern science marks a bulliant fact that the Earth is an same shrinkage if responsible itself from all its borders and poles. The cause of the shrinkage is the expulsion of tremendous amounts a quier a and a resyst or be only of pases vapor to do an solution best an expeller, via the cents of a dranges in millions of tons continuously, leading to the shrinkage of the Earth. Scientists assert that the original Earth was at least two hundred times its present size. And Aliah, Most High, knows best

Alm Augus B-'Ipas fl-Que'un by Or Zaghloul An-Nagar See also Al-Hattu Al-Bahre For the scientists say the Earth's tides (rising and ebhing) are one of the causes of reduction in and sorface. You will find that in the study we have referred to previously)





The Wondrous
Mineral Accumulation

Allah, the Exalted, says:

و شيخى الَّذِي على "وَرُّوح حَكْمَة بِمَا أَبِثُ وَرُودُ وَمِ الْفُسَهِدُ وَمِدَ لا بِمِسْوَدَ مِ

Glory be to tion. Who has created all the pairs of that which the Forth produces as well as of their own, human, kind (male and female, and of that which they know not... "Goorah Ya Seen 36:36).

The Messenger of Allah, peace and blessings be upon him, said

"Allah created Adam from a handful which He took from the whole Earth. Thus the progeny of Adam come from all of the Earth: amongst them are red (skinned), white and black, and all shades in between Amongst them are the gentle, the fierce, the evil and the good." (Saheeh) - Reported by Abu Dawood, Al-Tirmidhi and Ahmad)

Studies have shown that the human body is made up of the constituents of the Earth which are water, sugars varbobydrates), proteins, fat, vitamins, hormones, chlorine, sulfut, phosphorus, magnesium, calcium, polissium, sodium, iron, and, iodine and other elements. These elements combine with each other to form bones, muscles, iens of the eyes, the hair of the head, the feeth, blood, glands, sal va and other things in your body. These elements (or materials), combine with each other in fixed and deticale proportions in the human body. These proportions are known only to the Lord of the entirety of creation. Experimental analyses have shown that if all the material that goes into making up the human body is gathered and combined, we would have the following materials, a box of

of (bitle or) no value.

All of these not worth more than ten pound sterling. In it then tensonable to say that man is not worth more than these amount? (if is so) then your clothing or your wrist watch would be worth more than your entire self, would it not? What

FOOD



is the real value of man? The value of the substances (several as they are) which make up man is near worthless Therefore the value of a thing must be estimated unity after its formation and understanding of its benefit Companing man with machines for instruments) is therefore an extreme fody. An object should never be compared except with is similitude. Otherwise, sheep and camels would be deemed more (important (more valuable) than man. Therefore we state that Man has a lofty position which is beyond our materia. Semiation or measurement). The evidence for this is the statement of Allah, Clonified and Exalted is He

> ۇرىد برلىرى دە وخىيۇلى بە والىم ورىسىدەس، ئىيىپ وھىسىدى قائكى مىر خدى تغييلا ۋ

'And indeed We have honored the children of Arism and We have carried them on land and see, and have provided them with All Tayyrbat (lawful good things), and have preferred them above many of those whom We have created with a marked preference—sooroh Ar-fara 17-70)

He, Most High, also says in Source Al-Afrag

جه در مستحکم در در دیگر اداف درستهای استان ایاده میخدد بالا برسی دادیگر من اکتیبیت کی کاری تشد ادامید، از دید به از در در میگرینا شدن مراسم و مندم بر باید یا

And surally We created you isyout father Adam) and then gave you shape the notite shape of human going. Then We told the angels, prostrate before Adam, and they prost ated, except blees. Satan, he refused to be of those who prost ate. Allahi said: What prevented you (O thiers, that you did not prostrate when commanded you? Iblees, said: I am better than him. Adam), You created me from fire and him You created from day." (Sourch Al-Aral 2:11-12).

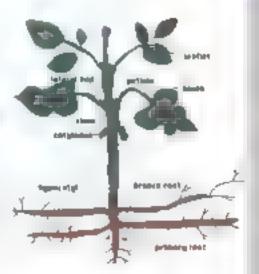


### Allah's Signs in the Plants

Allah, Most High, says in His Book

و وهُو أبوئ أمرة من الشملة ماة فأخرجت به المات ألل غَنَّهُ و مأخرجت رستُهُ حيدًا الحديثُ بندُهُ حبُّ شُرجيتها ومن النَّمَل مِن طُلَهَا يَمُولُ وَابِيَّةٌ وَحَشَّتِ مِن أَمَاكِ وَالْرَّتُون وَالْرَسِ مُشَيِّهُ وَهُر السيو الطُرُور إِن سريه إِنَّ السر وشووه إِذَّ إِن مَاكِمُ الْاِينِ لِلْفُورِ الْحَيْقِ الْمُ

It is He Who sent down water (rain) from the skyr and with it We bring forth vegetation of all kinds, and out of it We bring forth green stalks, from which We bring forth thick dustered grain And out of the date-paim and its spathe come forth clusters of dates hanging low and







hear, and gardens of grapes, olives and pomegranates, each similar (in kind) yet different (in variety and tax e). Look as their fruits when they begin to bear, and the ripeness thereof Verdylin these things there are signs for people who believe." Sociah Angm 6.991

I. Plants are a angelom on their own, and scientists and no emake grant strates in unwelling its characteristics.



Sanatists has crossified plants according to their physical structures or reproductive characteristics or based upon their habitats,

Plants generally germinate from seeds when the conditions are right for germination. The most important of these conditions is his of its germ. The seed preserves the vitality of its germ for long periods of time, which in itself is evidence for the existence of Allah. It has been possible to germinate seeds of wheat found in the grayes of phasois.

It is necessary to have a certain amount of woter, and the right temperature (for sere so permittate) with sord at minutes and specific temperature it is also necessary to have air (for germinations, this is a necessary or any long organism which breaties, senses, prieses in pieces, it speciments have been conducted in parity paned in spaces rail doing measuring instruments that show that the plants

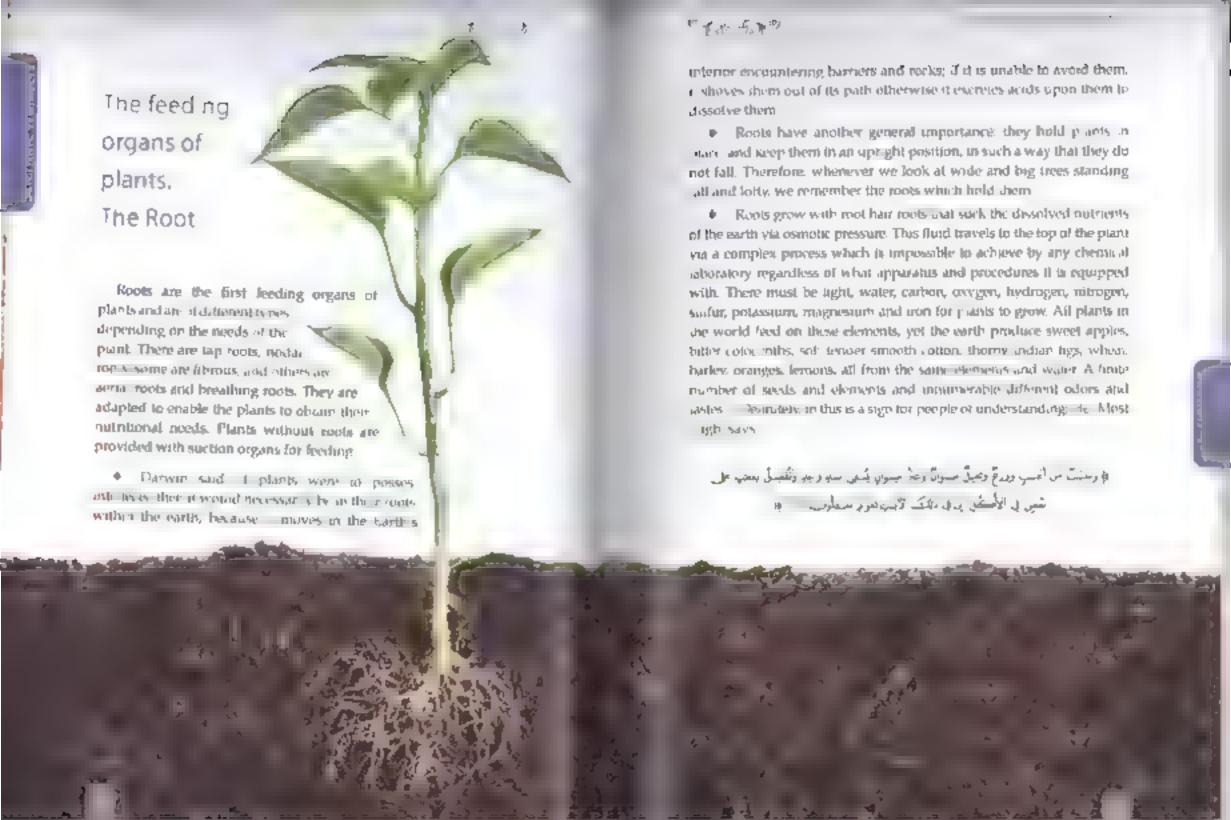
experience a nessous breakdown that results in disorderly growth, but upon returning to the Earth, the plants returned to normalcy and transport

When a seed germinates and the gern emerges to form bry soots, it begins to feed on the stored food in the seed until its root let them and penetrates into the Earth in order to read therefrom its and, ion is take the fetus in man and animals. Here is from its mother whilst in here into the horizontal three sources that it has some independent at her and depends upon itself for sustenance when its most is well-to report at the animals are some small time be seen? Is there anyone other than Allah who has given the roots the ability to penetrate the Earth and brought forth the stem trunks spreading upon it leaves, such that it flowers and bears fruits? Undoubted yiths is the week of a complete subhine intertipent in animal in being whose aim is preservation of the different species and the continuation of life 50. Glorified is the Ever-Living (Allah), the flestower of site









And gardens of whos and green crops fields etc. and one pains, growing out two or three trap a langer spen root or otherwise one stem root for every pains, waterno will the same water yet some of them we make more excellent than others to eat verily in these things in sere are Ayat for the people who understand, brough A. flad 13:4)

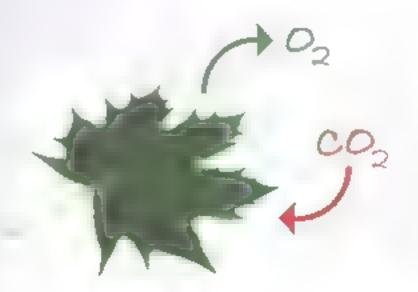
#### Transpiration

The power of his creator becomes manifed the consider the process of transpiration or the evaporation of water from the leaves of plants. This process aids income a more of sapitions the cortistion, a the name. I as smooth marginal interpreters, up other hundred it ers table overs, of water emanates normally from a single tree. When the temperature rises and the armos sheer is the and he speed of water increases, then the rate of transpiration also increases. The thunness of the atmosphere in the temperate region and copious anniall in the tropical tainforest. reg pas, which have a larger number of frees, is attributed to transptration.

Transperation seems via an elemination makes the at the workloops signs of the relation in this process is that we observe cartal one if the number of openings on the makes of plants according to their ensures on the new test in the relation of their characteristics are a that their inheritor or pressing to lower transport darks is the influencement compared to the latter.

The openings stome a three selves are from of the Sogns of Adah. as such is made up of an opening between two guaras at s. The guard cells protect the apening and control its opening and crossing according to the needed. In point between the sea ment once thought the guarantees water is widhdrawn from the two departments. The

guard cells get fixed until they become rounded and thus the vent is a period of the value of the value of the same of the good of the same to contact thereby with the hore of six and the rounded and its walls are in contact thereby with the hore of six and the rounded and its walls are in contact thereby with the hore of six at the six at the rounded and indicate and how its etgans operation a manner that speaks of power and perfection.



#### Formation of food

Amore the Signs of Allah is the production of food in plants, this process in known as autom synthesis. Carbon dioxide enters plants through the stomata from the atmosphere of interests of chief the effect of temperature and logic. The process of termation of these substances from carbon dioxide is an extremely complete chemical process which where has not local abla to our phet as well as it to say that is present of hierarchy, water and heat results in reasons to an open of the formation of food material. This does not occur except in the present of a night them are it is after known as plantage has a basic scene, as the say that he present of a night them are it is after known as plantage has a basic scene.





process which any furth of the higrages is and it is not possible for any fartificial process or equipment to accomplish who a single green leaf of any plan closs.

#### Respiration in plants

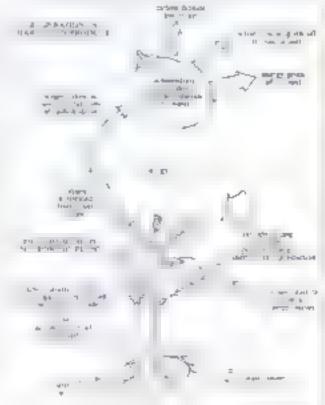
of was discremed to the action before respondingly in oxygen and searing carbon for the ustable for the famous and animals knowledged in plants is accompanied by a rise in temperature and we as both the in decidence in plants is accompanied to a rise in temperature and we as both the in decidence in the interpretation of apparent domain for each own relative to the process of carbon synthesis which occurs in plants at a higher rate than respond to about some expension of each particle of the accompanies about a son to yield a sent particle of the accompanies of each particle in the case of authors and country them.

m the night when plants respire and there is no carbon synthesis is harmful, as carbon dioxide is released and plants take in oxygen

Research shows that the process of carbon synthesis on its own is sufficient for the enhansion of all the carbon dioxide in the world, had it term the new process at again burth. I aware it A rate the A showing the A sware, timited this process and made other terms of as and various dioxide. Te add not wave the process or destruction and process of carbon to randomness, but decreed that the relative amount of rarbon exade in the atmosphere remains between three to four parts in overvier three-and parts of the atmosphere, his proportion must necessarial be constant for the survival of the world. Regardless of the variabons in the rate of the processes of destruction of production of carbon drower its relative proportion in the atmosphere has never thanged.

# Adaptation in plants

flants have been designed according to what suits their hamfals in such a manner that can be accomplished by none other than A alt. Alone Early plant has a wellhabitat HWORK which diffees intrinsically from those of. other Anyone plants. who contemplates thu. diversity adaptation and. is amazed at the Demunion A rate Dirested and Evalted is He





They are also known as rerophytic plants. They have the shape structure characteristics and adaptations thel evaluation in a software a storms and word high solar mandation and high temperatures the they trees or strubs they are set treegh having a lot of thoms are attentioned branches so as to shade themselves from the sun. They to mis rounded structure thereby screening area in son as much as possible and thus protecting themselves from strong wind

The leaves of these plantshave, to a reswith this a later was a world with a layer of dry material that is coated with a layer of way. They also clave stems and rootes beyond with lark it some plants the

Sterris and leaves a ne Coverni worth: Districts beads and filled with air form the base. This gives the plants Althanous арреатансе which reflects radation of the sun, thus preventing transp ration. or reducing it The leaves of a plant may wrap themselves in SUCh & manner that the direct perpendicular # toys of the sur-



do not fall upon it. The leaves of a plant may possess fewer stemata or narrow ones, they may also be covered with a layer of wax thus halting. transpiration, altogether The plant therefore enters a state of dormancy until the rainy season repurps It is possible for the storruta to be found on the underside of the leaf they could occur singly or an clusters an a single opening as in the Arabian jasnime, or the guard cells may form a roof over the slomata keeping it away from the atmosphere



These plants also have special characteristics that enable them to obtain water. Their roots are relatively large, branching into the soil and going deep to great distances so as to cover a large volume from which it can suck water. They have special features which enable them to store water for their use during hot weather. They may store water to the plant parts in the earth such as bulbs, rines and tubers, or store them in their person stems as in the thorough the region of their plants is few and they are constant a exposed to the sortac into an mais, they have been provided with adaptation features to protect themselves from harm. These include the covering of its leaves, stem and fruits with thorns or stiff hair or an effusion of voiable oils which repel an mais.



#### Aguata, Plants

Some planes less in water and some of their measure street are an externa form tree other plants. It is use he so special organ is the make to water. They have in water as over their backets and the shape of their stems changes, taking up a different shape.



repers (Climbing plants)

There are some types of plants with weak stems, that are not able to sand or right in his rown. These plants have limbing apparalish which mables them to wrap around whatever supports they limb upon framules include the tendrels to propes and given was or thomses as a serie to associated or Lansverse for sits work they combast in the purport's cope.



#### Insect earing plant

One of the Signs of Allah's creations which points to His Power, Glorified and Exalted is He, and the innovativeness of His Creation, is plants which teed on inserts. These plants grow in soils that are very low in organic matter. Therefore, we observe that they have been provided with a most har ion to at enables, here, to note that each one suck their bodies for natrition. It is traity amazing to note that each one of them has developed organs best suited to its pray.

In certain plants we observe that its leaves move over a middle vein Each leaf is provided with thoms on its apper surfaces. Whenever an insect falls on this plant, the two leaves are stimulated and close suddenly, trapping the insect between them. Then the plant secretes fluids which digests and disvolves the insects and

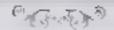
Sucks the digested material. Dieteatier the leaf returns to its former position, opening its two leaves teady to trap more pray.

 In other plants, the knyes develop in the form of a jar made of covers which remain closed when the leaf is not developed fully. Then suddenly they open after the complete growth of the leaf. The juris filled with acidic fluids extreted from glands on the inner surface of the leaf to attract intents. When the insects land upon the edges of the leaves they stip on its smooth surface or are attracted to the bottom of the jurity line capillaines. Once it falls into the fluid in the jur, the lid closes to prevent it from escaping. The plant secretes fluids to digest the insect and then sucks it.

The leaves of some insectivorous plants are covered with appendages whose ends terminate in grands that secrete sticky and acidic substances. When an insect lands upon these appendages, it gets stuck to at The more it struggles to escape the more it gets entangled in other appendages and it is caught completely. Then the plant secrete digestive substances which dissolve the body of the insect. After sucking the flind, the appendages return to their original position and the leaves to their original shape.

How do plants preserve their specie?

One of the Signs of Allah is
the ability of plants to ensure
the continued existence of
their land. The fruit which
is the nutritional vessel for
the sieds is equipped with
appendages which assist its
dispersion from one place to
another via several means. The
seeds of desert plants which are
transported by wind are usually small.



an size and light to exice their transport by air. Tiny hairs or wing-like appendages may grow upon them to lighten their weight

- The seeds of aquatic plants have appendages which enable them to float in water, and thick toots which prevent them from decay
- There are species of seeds with attractive colors and sweet taste, others possess hooks by which they cling to the clothes of man or the far of animals.
- Fruits of plants are cased by an envelope wrapped in a spiral matter mening. This matters the send to be disseminated or distances away from the original one. Examples include beans, green pear we retchover and disease we rethose second explode or than exhologistic bound, which can be heard over a sufficiently long distance.

These are clear signs that plants are equipped with marvelous adopt we teatures to enable meet to sore we aimed built a motion species, varying in structure, reproduction, sustemance and lifespan

There are plants which only live for a few days, some years and some whose blespan exceeds the human blespan many times over





The base whose each is no hundred and an in the 20 and whose a territories is went three test 2 in preceden usual Chase in about the contract terms in the contract terms.

The approximation is the property and the species which be for up to six thousand years (6,000 years).

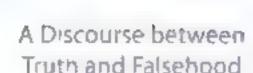
In Folymers 1956 of Electrock of an armony and atmospheric survey her assed on at the Hantaj Company in forder offer studies were or ducted at a selection atmospheric meaning of the age of the cost was about one company in the discovery which throws while or the age of the age of the age of the age of the selection of the age of the age of universe the history of succession of the confined and the temperature product of all forms. In plants animals and mants, to the temperature product of all forms in the plants animals and mants, to the feet by the throws the universe).

Do they not observe the Earth, - how much of every good kind We cause to grow therein Verily in this is an Ayah proof or Sign vet most of them (polytheists pagans, etc., who do not believe in Resurrection) are not believers." (Search Shu'ya 26.7-4).

et at till oder ålght farde, bydet







Allah, Most High, says:

به ولي الأمن من معربيه . وق المسكر أنه تبدير به

"And on the Earth are Signs for those who have faith with certainty, and also in your own selves. Will you not then see!" (Soorah Adh-Dhoanvo, 5 / 20 11

Drichas ato safe Al-Masserup one of the leading indian physicists and mathematicians, renowned in the West for the discovers of several prodern oncepts and the first to propose the concept of Alema bomb, said. Then my house to safell some next set a Sunday in 1919 (in Suddenly I saw the renownee astronomer. Sir James jeans, a log oper at the University of Cambridge suppretables from and greeted him. He asked me. How the I do proud said to burn, Yout a phonomer of subderive manipulation to next a down part of Sir James souled and approach its umbretta impressatory. Then he paused for a moment and said. You must have some tea with me tought."

"When are two at my most the evening his Janghan Miss James, name not at 40 mock and informed my that Sir arrest had been expecting the When I entered his room, I found him in front of a small table with





E & Jacob & Co.

test tips upon a flactory because of a city course, a least body the least inmotioned are presented by said: A har do you want? heather done wanting for the essential delight to provide his total about the members and bodies, their analysis, order their a members and incumanibe analyspork of, light the fest my boar convoluting one of verein our our Most High

As or 5 h arrows I for me the hare of this hear stand up provide to flowing from 6 s a second, 6 s hards nombling and of covering a ser the Creator, Then he stopped suddenly, and sud: Whenever a

theory is proposed about the marvelous creations of God, I find my entire self trembling for the Greatness of my God, whenever I bow before God and say "You are

"See you not that Allah sends down water (rain) from the sky, and We produce therewith fruits of varying colors, and among the mountains are streaks white and red, of varying colors and (others) very black. And of men and Ad-Dawwab (moving living creatures and beasts, etc.), and cattle. In the like manner of various colors, it is only those who have knowledge among his slaves that fear Allah, Verily, Allah is Almighty. Of: Forgiving? (Socrah Fetti 35 27-78)

Sir James asked in amazement: "What did you say?"

Grandiose". I find every part of my essence corroborating me in this supplication of mine. I feel tammerse transmitted one and presence a success which recessly has of others more than a thousand times. Do you understand?"

Or noval—ab adds. This lett relate with storm in any interior and I said to him. Six. I am deepis, impressed by the scientiste details visu have narrated to be land I as affect in this report a Verse from the Hore Book of All about permit, that I recite is a visu? He nodded, so I recited to him the following Verse:

## ﴿ إِنَّمَا يَعْضَى اللَّهُ بِنَّ مِمَادِمِ الشَّلْمَوَّا ﴾

"It is only those who have knowledge among His slaves that fear Aligh."

This is absolutely amazing! What you have revealed the one is what there is the land discovered to a value of a years it research. Whit intermed Muhammad about 37

make the properties of the second Ray of the period Ratio







been in existence since a gigantic explosion known as the Big Bang occurred some 10 to 20 billion years ago

In dails. The universe was inthe form of an intense hot and dense ball of fire made up of gases, expanding and cooling after roughly every one million years. The gases began to get denser, massing up in rings These formed the emerging galaxies. With the passage of several billion years, the universe has continued to expand though some of al contains particles of matter lightly bound together due to strong gravitational pull like several of the massive galaxies

At present, astronomers do not know for certain whether the aniverse is a closed system, i.e. will it eventually stop expanding

and begin to shrink or an open system, i.e. will it continue to expand endlessly?

Agalaxy is a gigantic cluster of stars and nebulae formed from the matter dispersed between the stars. There are three categories of galaxies based on their form (shape)

(i) Elliptical galaxies with





# Facts about the Universe

The Jaiverse

The universe includes everything in existence, ranging from the manufest of particles which are someter than along to the mass we and may interest, asters. I growless the size of the line erse is not known of anybody, conveyed, the most popular theory about the origin of the Earth is the "Big Bang Theory" which posits that the universe has









erwide shaper

(ii) Helical galaxies with arms winding spirally toward the exterior as though exploding due to central centrifugar swelling

(iii) employed shaped galaxies possessing on union to shape

However, the shape of a galaxy and life trange sometimes due must coffiscion with another galaxy.

Chasars an compact because which produce a let of aght and are considered to be the core of gataxies, except that they are so far as as that their true nature is difficult to ascertain as they fall outside the realm of the known universe.

The farthest known quasars (similar to stars) are found at a distance of 15 bission light years away. It is betieved that radiation from entryietal galaxies and quasars are due to black holes.

This is the name given to the pale luminary band stretching from me end of the rightly sky to the other. This illumination comes from the stars and nebulae within our galaxy, which is often referred to as to Milky Way.

The Milky Way is a helical galaxy made up of a dense central or many swelling encircled by four arms spirally winding toward the exterior. This is surrounded by a less dense halo. From our position on Earth we are unable to observe this helical shape because our Solar System lies in one of these spiral arms, referred to as the "Giant Arm Hazy and dusty clouds completely obscure the center of the galaxy thereby allowing us no visual picture or map of the galaxy except a very limited one.

The central centraligal swelling is a militarily small but dense ball. It consists mainly of ancient stars enutting red and yellow beams of light the halo on the other hand is a sphere consisting of the oldest stars some of which are as old as the gataxy itself (up to 25 billion years old). Progrands the action arms a cost methy of years, for blue stars and nobic accidents or gases and diest from which stars forms. The gataxx is gigantic in its vastness and revolves with all its contents in space in some analysis at a manner that stars within 1 mose at a paper specific has stars outside it. The sun is at a distance from the center of the gataxy by two-thirds (2/1) of the radius of the gataxy. It completes its revolution about the gataxy once to roughly 220 million years.









Nobula: This is a cloud of dust and gases existing within a galaxy. A nebula becomes visible when its constituent gases prove or when its constituent gases prove or when they obscure hight rays from much farther sources.

A light entiting nebula glows because its gases are contect or because its just reflects rays enumering from stars within it or from stars it is in resident to be an add up and nebula on the other hand, becomes a cable to the term of shadows when they obscure aght rays emanating from a glowing nebula or sars beaund.

There are also nebulae accompanying extinct or dead stars

Stellar Nebula and residue of explosive state: Each is composed of dilated gaseous residue

Stellar Nebula: These are gaseous envelopes sweep away from an extract stellar core

Giant Glowing Residual Nebulae: These are gaseous envelopes swept far away from a stellar core at great speeds due to an enormous explosion, the explosion of the giant residual nebula itself.

Stars usually occur in agglomerations known as star clusters. It is possible to distinguish between disorderly closer stemar clusters usually made up of a few thousand young stars (which originals from the cloud itself and thereafter each farther away from the other) and densely packed spherical stellar clusters containing hundreds of thousands of ancient stars.



Stars are made up glowing but bodies of gaseous matter, which originate from within the nebulae. They vary extensively with regards to size, compactness and heat. The color of a star is determined by its heat, the horiest of stars are blue in color white the coolest are not. The sun which has superficial surface temperature of 5.500°C falls in between the two extremes and thos appears yellow in color.





The origin of energy rac atting more a star comes, rome the new lear tosion which occurs to the core of the suits.

The major clusters exhibit the characters of their lead, architectural stars that which fases it rategen to produce her are, their huge and pigantic stars and their white liveris.

Neutron stars and Block holes

Neutron stars and Black Holes are formed from the core of stars, which is much as it is after an explosion. They form in the shape of large colonies. When the mass of the survey and one mughty one and a half times the mass of the sun and about three times the mass of the sun, it should and forms a neutron star, it should and forms a neutron star but if its mass is much greater than three times the mass of he sun, it should and forms a black hole. The diameter of neutron stars is mughly 10km only. They are made up



of very small particles (smaller than atoms) known as on it wis best are very dense stars with a teaspoon-full of their material weighing about a hillion look.

Detailed observations show neutron stars as pulsating sources of ractio waves known as pulsars. They are so called because thes revolve about their axis at extreme speeds between two limits bursting across the sky and becoming visible as pulses.

From another perspective, Black Holes differ from neutron stars by the strength of their gravitational pull, which reaches levels such that not even radiant light can escape from it. This is why Black Holes remain investible bodies. Despite this, it is possible to illuminate them when there is an adjacent star neutry. This happens because the Black Hole attracts gases from the star and thus, a hazy, disc-like build-up providates one up the Black Hole and it is a same into it at point specific flus raises its heat and it releases its radiant energy. Eventually, this gaseous material whirls mark the Black Libit becoming a part of it and part of the invisible universe.

patterns which we observe in the sky every right from different locables. It is not necessary that such consultation be bound by a physical relationship astially most of these sions are not cross to one another. In fact, they usually do not fall into a single stellar cluster some of the stars of a constetlation may be relatively tose at one another.



from the Earth while the others are at relatively great distance—term the Earth). What we know of the stars of any single constellation is that they appear on the Earth in a particular direction.





# The Falling Stars (Meteors)

Those are small receast fast me case does in the skill show a furnished formances trace behind them and then quickly become entanguished to Azabic language they are called Ash Shuhub a shooting stars whose singular is Auto-Shuhib; that which fatts (from the sky) at night. It is actuated a blaze of tire. These falling stars are given particular members in the gor as with his exact to members which is remark has oth procluse satisfactories, star-

Allah, the Exaller says

ی پارٹ سے اللّٰہ بہتم الکو کے آ وجھ بی آئی سیسی سے الاستمون ہوں سام الاہل وہداوں می کی جانب آ کا کموا کیٹریشات وسٹ آ پلاسیشن نگیلینہ فائندہ بیٹ ماٹ ج Verify, we have adopted the near fleaven with stars (for beauty), and to guard against every rebellious devil. They cannot listen to the higher group of angels, for they are petted from every side. Outcast and there is a constant (or painful) terment. Except such as snatch away 'something by stealing' and they are pursued by a flaming fire of piercing brightness." (Soorah As Saffar 37-5-10).

The Noble Que an affirms this dispatch of the falling stars upon the devils to preven, them from coversdropping and to restrict them from going beyond certain I mits in the sky

Visib the Exalted says

"And verily we used to sit there in statiom, to (steal a hearing but anyone who listen now will find a flaming fire watching him (flambush\*/Soorofi AF June 72-9).





## Life on the Stars

Allah, Most High, says

به بسجد من إن السموب و من إلى آلاً عن بن من ق و المنافي كَذْ وهُمْ لا إِنْسَانَكُمْ لَا أَنْ اللَّهِ عَلَى إِلَّا عَنِي بن من ق و المنافي كَذْ وهُمْ لا إِنْسَانَكُمْ لَا أَنْ اللَّهِ عَلَى إِلَّهُ مَا اللَّهُ عَلَيْهِ إِلَيْنَا اللَّهُ عَلَيْهِ إِلَيْنَا اللَّهُ عَلَى إِلَّهُ عَلَى إِلَّهُ عَلَى إِلَيْنَا اللَّهُ عَلَى إِلَّهُ عَلَى إِلَّهُ عَلَى إِلَيْنَا اللَّهُ عَلَى إِلَيْنَا اللَّهُ عَلَى إِلَّهُ عَلَى إِلَيْنَا اللَّهُ عَلَى اللَّهُ عَلَى إِلَيْنَا اللَّهُ عَلَى اللَّهُ عَلَى اللَّهُ عَلَى إِلَيْنَا اللَّهُ عَلَى اللّهُ عَلَى اللَّهُ عَلَيْكُولُ اللَّهُ عَلَى اللَّهُ عَلَّى اللَّهُ عَلَى اللَّلَّ عَلَى اللَّهُ عَلَى اللَّهُ عَلَى اللَّهُ عَلَى اللَّهُ عَلَى اللّ

'And before Allah prostrate all that is in the heavens and all that is on Earth, of the moving. Ilving creatures and the angels, and they are not provid (i.e. they worship their lord (Atlah) with humility)." (Social) An York 16:49)

The angles are not included if the nearing of the world. Oaks in the world in the second present the second on the Farth or wark on feet and the world in this is now retired, the interpretations of a posed chiefly of water and having firehs and organs based on of a saying

## ﴿ وَاللَّهُ عَدِي إِلَّى اللَّهِ مِنْ اللَّهِ مِنْ اللَّهِ مِنْ اللَّهِ عَلَى اللَّهِ عَلَى اللَّهِ عَلَى اللّ ورقتم أدريتها خَرْدَائِعَ مِنْفَى لَقَا مَا يَسَنَا إِنْ اللَّهِ مِنْ اللَّهِ عَلَى اللَّهِ عَلَى اللَّهِ عَل

Atlah has created every moving (living) creature from water. Of them there are some that creep on their bellies, and some that walk on hero legs, and some that walk on four. Anah creates what He wills. Verify ARah is Able to do all things." (Sporoh An-Noor 2-0-15)

This is what the Noble Qur'an points to, So what does Science say about this?

 Some astronomers say: It is not strange that some deleshal hodges should be inhabited by life, rather it would be strange if they are not

in 1970. NASA announced in California that a meteor that had randed in Australia the previous year contained some amino acids, which are regarded as the building.

block of basic life forms. This indicates the possibility of tife beyond the planes Earth, In 1974, the first message (in the form of signals) was sent into the universe (15) (FARISTICISMOP) lasted 3 minutes l'his message designed Was intermation provide about the Earth and its sumoundings

This activity drew the attention of the whole world, as it was an issue of significance to mankind as a whole and not just to the nation launching. It.



The Moon and the Sun

t has been found that the moon tracers are a speed of 28 kilometers, per second and the Earth 15 kilometers per second and the sun 12 kilometers per second. The sun moons and so to the earth and the moon. Allah, Most High, says

الله و است الجمود المستعم بها دراند عداد عرار الميس الم
و شمر جدرات ال رحق عاد فالبرجون المياس الدال السميد الدعلي
الله الدالة القدر والا حراك مدال ميان والآل إلى دوي ماييجود (4).

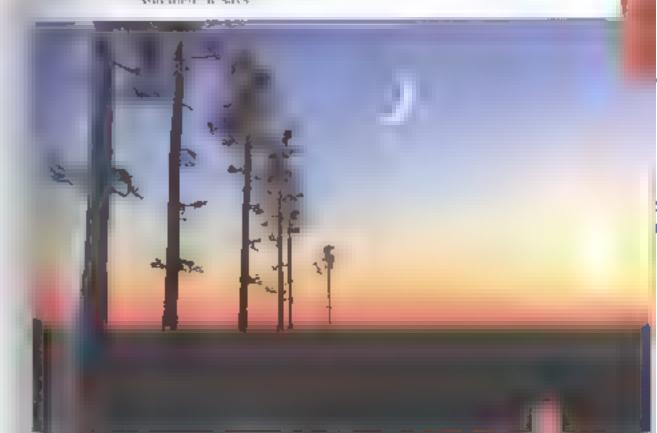
And the sun runs on its fixed course for a term appointed. That is the Decree of the Almighty, the All Knowing. And the moon, we have measured for it mansions to traverse talk it eturns like the old if sed curved date stalk it is not for the sun to overtake the moon, nor does the high perstrip the only. They are float each in its circle. Sopration Seen 16, 38,40.

3 28 53 5

﴿ وَالشَّسُ اللَّهِ وَالشَّبِينِ عِنْ إِنَّ اللَّهِ اللَّهُ اللَّاللَّالِيلَا اللَّالِمُ اللّلِلْمُلْمِلْمُلْمُ اللَّهُ الللَّهُ اللَّهُ اللَّهُ اللَّهُ اللّل

And the supriors on its fixed lause for a term appointed.

You then this area.



### و لا السيش ليمي ها ال لدوك أهما اله

"It is not for the sun to overtake the moon

the the moon are ad of the support. Despite the moon is also as the running are a special of the moon is also as a majority of the majority is a special of the majority is a special of the majority is a special of the majority of the special of the majority of the special of

and the speed of the sun is 12 kilometers per second. Thus as fast as the sam orbits, if will not overlake the moon However, what makes the moon maintain its speed?

Is it possible for it to move onward and avandor its path?

It was found that the moon moves in a curved winding manner and does not ma niam a particular path. Just contemplate the motion of the moon. This sun, the Earth, and the stars are in motion; were their relative speeds to alter, then a day will come when we would query 'Where is this sun?' and the answer would most likely be "it is twenty."

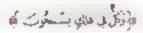


non far

stampes on today. Here western someone would true after a year and say. Where is the sum? and we would respect of has lost its way.

So contemplate upon, who has set every celestral body in motion in such a precise mariner?





and they alt float, each in an orbit."

They float and preserve their orbits, speed and position. Whose making is this? Undoubtedly, this is the Decree of the Almighty, the All-Knowing! Is dus decreed or not? Or is this order coincidental? Definitely not it surely emanates from a deliberationient. It is a decree from the line Who is here Capable counted and Evaded. He placed each thing in its position and makes it him its course.

the couldn't be of family by their films of good by instance





#### The movement of the sun

Is the san statument? I wen though if may all poor to be sea inner the answer is: No, it is not

Astronomical discretations show that the sur-floats in space at an estimated speed of 30 kilometers per second in the direction of a start biown as "Therefore" herefore the Earth's orbit about the sun is a helical one and not elliptical in its searly motion, the sun passes his twelve conglomerations of stars called constenations, every month.

He. Most High, says

And the sun runs on its fixed course for term, appointed. That is the Decree of the Alimghty, the All-Knowing." (Soorah % Seen 36:38)

#### The Sum A blazing celest-al body

When mentioning the sun, the Noble Qur'an usually describes it is as Singlan Attanorum (a radiant lamp). Being a lamp and being radiant are two constant attributes of the sun.

t hat h

'Blessed fit He Who has placed in the heavens big stars (stellar constellations) and has placed therein a great temp (sun), and a moon grying light." (Suorah Al-Furqua 25:61)

We notice that wherever the Qur'an is its about the moon, it always describes it as luminous. Thus, luminosity is a constant alsolute of the moon. If we turn to the Arabic language to contemplate the fine meanings of the words Sing (lamp), Madher (radiant of light giving) and Maneer (luminous) and to appreciate the difference, we find that a thing is not described as a samp or radiant ewept that it reflects ight without heat and also, aght emanates from it. And you say it is Maneeron (luminous) when it reflects light failing on it from another delestial body. Based on this linguistic exposition, the Verse implies that the same is a bl. ring, same ignorest all roots a stitual that accounts a cool celestial object which obtains its light from the sun

#### Prointeration of Sun

A lab. Most High says

'And from among His Signs are the night and the day, and the surand the moon. Prostrate yourselves not before the sun nor before the moon, but prostrate yourselves before Allah who created them, if you really) worship Him? (Soorah Futsilat 41:37).

The letter "noon" indicating feminine form also signifies pluzably in His saying: "Khalajahanna". It is also an indication of the existence of



several sans and moons and this is what science establishes

in space, several solar clusters run along with their shire, which are similar to our sun but higger. Each star has one or our activens which accompany it. Glory be to the Clor tyho controls those relest at society of a hand orderliness. Asti momers have a scale has some that the number of these suns exceeds 2 million. This is went has love discovered. But what about that which is undiscovered as very

#### ir . a braze then pur ou

Science has revealed that the moon was once ablaze and burning, and then its light and blaze were extinguished. This was not known and nair to it came to be known after sophism and ristributes and tes inchory became a attable to researchers. However, this has been mentioned in the statement of the Most High.

الله وسعد في وَالله دين معولاً به في وسعد الله ديار مُعِيره يبعثو عملا من يكر وبشكر عكاد ببيان والمساب وكا عن والصدة عملاً إ And We have appointed the hight and the day as two Ayaat. Then, We have obliterated the sign of the hight (with darkness) while we have made the sign of the day illuminating, that you may seek bounty from your Lord, and that may know the number of the years and the reckoning. And We have explained everything (in detail) with full explanation." (Sporah Al-Isra 17-12)

The sign of the night in the moon and that of the day is the sun. "We min destructed the sign of the might" Let the Creator put out and expiriguished (is light Extengueshment does not occur except that it had once been luminous from this. we come to realize hat the moon was once blazing bul was rater extinguished



In the same

This discovery had been made upon the longue of "the authority of the Unimab". Abdultab lbn 'Abbas, may Astab be pleased with -b m, when he said. "The moon was huminous just as the sun is luminous and the moon is the sign of the night while the sun is the sign of the daytime - (then we obliterated the sign of the right) - i.e. the darkness in the moon." And Atab knows best and the is Most Wise

Shaikh Az-Zindani said. "There was a documentary film produced by an American firm about the efforts of America to conquer the moon one led 4 Grant Step. Investigating the Cardogy of the Moon. The film showed how the American expects were able to discover that the moon was once by phthist. It was a burning sphere, which later cooled. It has showed how they demonstrated this fact by sending instrumentation to the moon in order to measure waves emanating from. They generated sound waves and the waves.



for did within the most. The alphane has the control of the course of a superior of the control of a not several rock specimens from a data the about from its surface distinctions and he will all a sound often analysis of an according to the control of the about was affect burning but as note extinguished."

Said to make a more has up the for due of the word be the storement of A als, the franched and in fined or the exception of all the statement of Allah

And we have appointed the night and the day as two Ayat Then we have obliterated the sign of the night, with darkness, white we have made the sign of the day disminating, that you may seek bosinty from your Lord and that may know the number of the years and the recknowing. And we have explained everything an detail with too explanation. Sootoh A. No. 1–121

Mustim scholars such as the subtant, that which he pleased as he in both and others have said. The sign of the right is the moon and the sign of the day as the sum.

\*Then, We oblicerated the sign of the night."

The said the moon was an apparently and then its jo was extinguished.

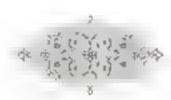
Then We obliterated the sign of the light with darkness, while We have made the sign of the day illuminating."

This is why He, Most High, save

#### أ من الديان معلى ال السم الروس و معمد في سرعه والسم مناه الله

If you is who has praced in the heavens big stars (stellar constellations and has praced the entragenal amp sun and amoon giving light" (Soorch A) Furgon 25.61).

The the Que are come from Mahammad, peace and blessings of the being on the front at interfered man, it is to be said the planet theorem he into account to amplify a solution of the day and a samptor beingth. I for any hard a solution the All-Knowing, the Ad-Wise, thus the said. In the Que are is from the All-Knowing, the Ad-Wise, thus the said. In the primary transfer of the moon is mentioned after the operation of the great amp indicates have a moon if intersect as a result of the light of the great lamp. Glorified is Aliah, the Almighty's the requirement were unit manel to be desirable of the hight of the great lamp. Glorified is Aliah, the Almighty's the requirement were unit manel to be always.





# Say See what A iah has created

Т,

This refers to a group of stars to and in the ionstellation that onsysts of seven stars. Thus, the name "Thingge" (Taurus) has an onging dysociated with A. Piaca in that means good and abundance.

fixed a we are obto to distinguish six of the stars easily although our ancestors is all lieux's see seven one to the strength of their sight such that the seventh star was located in the center of the group. Thurus is all process and a tree hand so and term one fell supht years away from us, its luminous intensity is estimated at 2.86. Its size is nine times that on he saw and its surface, here person on a time, has or the size.

The cleanest view of aurus is during the winter season, when it is seen as an astoroglung steetar nebula that glows as a giganite dot.

Allah, Most High, sans

### ﴿ لَـُلَا أَنْهِمُ يُسِرِيحُ النَّبْرِدِ ﴾

So I swear by Mawage (setting or the mansions, etc., of the stars they traverse? (Soorah Ar-Wogiy ah 56 75

"He asks: When will be this Day of Resurrection?" So, when the sight shall be dazed, and the moon will be ecapsed, and the sun and moon will be joined together (by going one into the other and folded up or deprived of their right, etc.). On that Day man will say "where (is the refuge) to flee?" (Soorah Al-Qiyamah 75:6-10)

And He Most High, says

### ﴿ وَهُ تَكُذُبُ أَكْنَاهُ لَكُاتَ وَلَا ٱلْمِكَابِ ﴾

Then, when the heaven is rent asunder, and it becomes tosy of red like red-oil or red hide" (Soorah Ar-Rahman \$5:37)

This colored picture shows the structure of a sterair nebula: a hogocloud of gas hurled by an extinct star in a series of

he highest material reaches a body of blazing gas which preses from a new explosion within two gaseous muds any saming from the previous explosions. Eventually, its nactions omposed of hydrogen atoms will get obscined bat and its gaseous material will continue

(c. spread) notes (in some badt ber mes a stellar nebusa

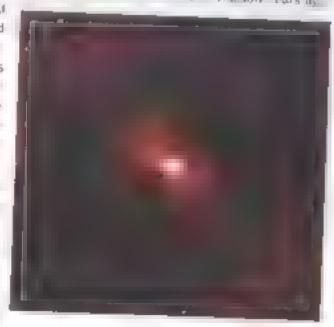






It is about two million light wars two from us. Thus the light which we observe to it the good is emanated from their mailton lears of

e when muchant not even existed apon Earth, Thi right reaching us at mounts up , enables us to view Late a wide lave million years ago We do not losew anything about is present state Definitely, it must have moved away from is position. Tais is also true tor a gambies in he universe And Allah kitows hest



Apath, Most High, says in its Noble statement.

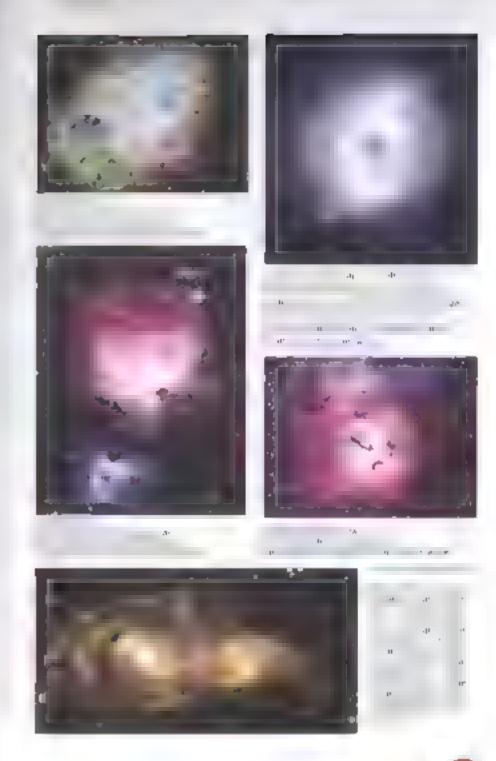
## ﴿ أُولِدُ مَكُرُو إِلَّ مِنْ عَرِقِهِ فِي مِنْ وَرَمِهِ وَمَاهِ مِنْ فَرَوْعِ اللَّهِ

Maye they not worked at the heavens above them, how we have made them and adorned them, and there are no rifes in them?" (Solitah ya. 50 n.

And His statement

### ه ولقد سندي السياء برأوم ورسية للتحديث الا

And indeed We have put the big stars in the heavens and Webeautified them for the beholders." (Soorah Al-Hije 15:16)









## Verses regarding the Universe in the Noble Qur'an



Certainly the Noble Dur and salvook of go dance revenued by allahithe Nights and Sublime, to dant lessons which he is man above annoting of the resembles of annoting day over completiend. Examples include the essentials of



for the and worship, the fundamentals of manners and the law by which need will conduct their interactions. Added to these the Noble Qur an discusses issues related to the universe things such as the sloes, the earth and its constituents (e.g. moons, planet, star nebulae etc.), their processors has a constituents (e.g. moons, planet, star nebulae etc.), their processors has a constituents (e.g. moons, planet, star nebulae etc.), their processors has a constituent to manufest the limitless Power and Authority of the Creator and the Perfect knowledge and Wisdom, the Creator of this imposess and the One capable of obliterating it and re-inventing it

Thus, the verse of the Noble Qur an having reference to the universe version intended to provide scient at his same. And the Vogbty and Silving orders at the the process of yourself knowleste as the exceptions, research and experimentation over long periods of direction to the limitations of human perception and the accumulative (progressive) nature of knowledge. Despite that, the verses of the Noble Qur an necessary contain several indisputable scientific facts about the converse since it is a revelation from the

Creator, the Mighty and Honored, and therefore it is absolute truth

Four hundred and sody-one of these verses mention the sphere of the earth, either describing its entirety or specifically stony external crust or weathered material above the tresh bedrock. As for the verses having, geologic information about the earth, they are over one hundred and ten and can be grouped into eleven categories.

A single verse, which mandates mankind to voyage on the earth, observe it and make declarations from his observation regarding the origin of reation.





"Say "Travel in the land and see how (Allah) originated creation and then Allah will bring torth desorrect. The treation of the detection of resultection after death). Verily, Allah is Able to do all things." Socials At Actaboos 29:20.

4 3

- 4 Following is the group of Verses which indicate:
- a) The shape of the barch club as in case. I have a fire an 15 tyrocol. On hand in verse 38 Que an 30 tyrocol. Our ap 90 horse. The club an 65 horse 17 Que an 65 horse 17 Que an 65 horse 17 Que an 65 horse 40 and 41.
- b) The motion of the Earth Que as 2 years of Que as 30 years to the Ar ar 27 years 88 Que and 13 years 1. Que an 91 years 1. Que an 27 years 27 Que an 12 years 67 Que an 27 years 6. Que an 27 years 6. Que an 37 years 79 Que an 35 years 3 Que an 37 years 6. The an 30 years 17 Que an 35 years 6. Que an 36 years 17 Que an 36 years 18 Que an 37 years 6. Que an 36 years 18 Que an 37 years 6. Que an 37 years 6. Que an 38 years 18 Ye
- c) There you does not be shound? Through which hady describes that do skies and the Earth were notal a single orbits to. Youth, Stringhts are So done heavis, their apart Heavis.

Have not those who disheveve known that the heavens and the Earth were joined together as one united piece, then We parted them? And We have made from water every riving thing Will they not then believe? (Soorah An-Anbhya 21 30)

This sixth, is discribed as the flip Bang Theory on the origin of the antisense This category of Vitsestialse are rade verses which point to the separate positions of stars a job estimate or for verse to be the separate positions of stars a job estimate or the are verse such as Qui and Vitses 4. The primarcha smalls and the differences such as Qui and Vitses 4. The primarcha smalls and the differences such

as Qur'an 41 Verse 11-12, the vastness of the space between the stars such as Qur'an 5 Verse 17-18, Qur'an 15 Verse 85. Qur an 20 Verse 6, qur an 3 verse 4, Qur'an 37 Verse 5, Qur'an 38 Verse 10,27 and so an at at 43 verse 85. Au at 44 verse and 38. Qur'an 46 verse 3 Qur'an 50 Verse 56 Qur'an 67 Verse 57 and the nature of the universe such as Qur'an 67 Verse 3. Qur'an 71 Verse 13. Qur an 65 Verse 12,

, ,

- 3. A single Verse, which confirms that don was sent down to us and that is compositional origin is force, a to the harm that are Verse 25.
- A single Verse describing the Earth as being fractured: Qur'an 86 Verse 12.
- A group of Verses, which explain some of the characteristics of the ocean, which have been discovered only recently:

The hot nature of the seafloors of some oceans and seas and those which describe the emergence of violent volcanies beheath the sea which lead to seafloor spreading. Qur'an 52 Verse 6.

he distinction between different types of water bishes. Or example the distinction between salt and freshwater bodies or between saltwater bodies maker of different types of sales, which do not one at a for different mix readay due to the investice of a narrier between them which cannot be crossed. Qur an 25 Verse 53, Qur'an 55 Verse 19-20.

- (c) The pitch-durkness, characterizing the deepest parts of the oceans which it saids from the according of durp ocean introduction which are shallow currents and above which are clouds. Our an 24 Verse 40.
  - 6. A me herse describing to mountains as pay a later on '8 berse.
- 7. It indicates that mountains consist of a smaller part above the half is surface as impacted in the large part which is buried beneath the Earth surface as though they were roots and its significance in the stabilization of continents and the whole Earth

This significance of the mountains is rurther established by 10 other. Verses which describe a territorial features of mountains such as their influence in condensing seas remain and the formation of sources of rivers. Qur'an 13 Verse 3, Qur'an 15 Verse 19, Qur'an 6 Verse 15,





Verse 7, Que'an 77 Verse 27, Que an 79 Verse 32

was presentants have been erected such that they same above the farth a surface. These observations and to be former at a the theory or Isostation of mountains and other ejectory and done hours which explains the creation of mountains and other ejectory and constrains to an other ejectory and constrains to an other ejectory.

in Cor an 35 hers. 27 the mountains an iteset has an energy made up of clearly district white, red and pitch-black constituents.

the Nerse explicitly points to the existency of acres, monitoring whose major consistent is gran to which comes in an shades of which and red and hash of kolumentation which is dark closed each of gabbito with maneratory of magnesium which is dark closed each of the major operator. Takes of these has hard times become read in the manufactor of the degree of heat adving its formation which manifests and secondary and tentary for an ives among sed, century and medianteephin rocks. Thus, the amportance of their three colors to their ned and black of the cours to monitor is skape tooks and a sedemorphic rocks of the cours to monitor is skape tooks and a sedemorphic rocks of the cours to monitor is skape tooks and a sedemorphic rocks of the cours to monitor is skape tooks and a sedemorphic rocks of the cours to monitor is skape tooks and a sedemorphic rocks of the cours to monitor is skape tooks and a sedemorphic rocks of the cours to monitor is skape.

- 7. Croup of Verses, sparding the two Larth envelops, the aquain and atmospheric envelopes. The Noble Qur an clear's membrous both conjuncted from with the sole Larth, Qut an 30 verse it and 3. This was only known recently. Other verses in this grown speak about special attributes which enable the atmospheric envelope to increase to or the Earth Qur an 3t Verse 32. Qur an 86 Verse 1. Yet others mention the latch dark nature of inter-space Qur an 5 Verse 14. 5, the decrease in almospheric pressure with height above the Earth's surface. Qur an 6 verse, 25 Yet, others alik about the mixture nature of the night was to be biazing of the moon) before the formation of the atmospheric envelope.
- 8. A group of Verses which describes the thin crest of the Earth-Cor an — verse 19, the one nucles don lader and receiving of

the Flanch's surface, the progressive alternation of the geographical timeosomis to menors a discensive abcomess a self-absorption substitution of actions and the property time and as a whole and is related to the destruction of its crust Qur an 13 Verse 4. Qur an 21 Verse 44. Qur an 78 Verse 6

- 9. Verses which confirm that the source of ground water is rainfall.

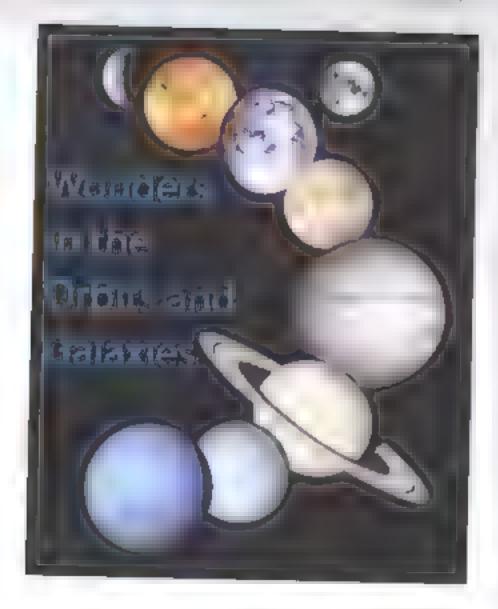
  To be up the sign forance of water the area of years 12 oper an 22.

  Verse 5, and others which make a ank between life or earth and water that is 2 open 40 oper an 24 Verse 45 and are the is up to present to the possibility of classifying a forms to Earth. Jur and Verse 38.
- 10. Verses which establish that the creation of the Earth occurred by 1 along period of the insuccessive stages. But an 4 verses 9 and 12, Qur'an 32 Verse 5.
- 11. Two Verses which describe the end of our Solar System by a process which the reverse of the realize kind verse not their as in the Crunch, Qur'an 21 Verse 104. Thereafter, the creation of the universe. Qur an 14 Verse 48.

All these were unknown prior to the previous century (i.e. 20° century), and we have not began to comprehend except the bath from scriptific observe ions which have come from detailed analysis and study.

The array idence of his Noble Quiran as politing to this comprehensive and detailed knowledge monate and are Ching, a line proof of the Mirana of the Noble Book Quiran which is to ast of the Divine researcher to marking and the message of Monochersm preserves in the case manufact in the exact in word or were referred letter for over fourteen centuries of history.

It is obvious from the discussion that the number of Verses of the Qur an which possess geologic monations exceed one hundred and ten. This is alreading a columnous book in detailed discussion. Hence we shall concentrate only on what has been mentioned previously about some of these verses which istantish to the sind frinciples of sciences. We have one though these as an example of the miral double nature of the Noble Qur'an



During the middle of the 20° century is veral nations began a runte extensively explore and unraise the my steries—cosmic space orbits and galaxies. This naturally led to conflicts and ensuous between the world powers, as each desired to surpass the other to its understanding and dominance of the outer space. Strang by enough, as the world progressed in understanding the universe it became more certain that the creator of the universe is the One Who revealed the Qur an. The Verses of the Qur an present this in the form of an extraordinary Divine revelation revealed fourteen centuries ago which penetrates the screens of the Unseen and the information regarding the future. We shall soon present examples related to the orbits, that have only been recently discovered. Allah

### ﴿ وَلَا لَكُنَّ بِالْمُسْمِونِ ﴾

And you shall certainly know the truth of it after a while? (Soorah Sad, 38:88).

Whenever the Qur on mentions the heavens it is in fact referring to the universe, because (in Arabic) beaven refers to anything above us

The Our an broaches the subject of the prigan of the universe and describes it in a remarkable way Alfah, Most Fligh, says

Have not those who dishelieve known that the heavens and the Earth were joined together as one united piece, then We parted them?" (Soorah Al-Anbryo 2): 30:

In thata" means—It no together, assembling and merging, in Lata" is the disconnection between two merged things. Thus, just as it is understood from the Verse that the Earth and heavens were fused together, then Aliah separated them, so have the Muslim scholars indicated this in the past. Ibn. Abbaas, may Allah be pleased with him, said. "They were both glood together, then Aliah raised the heavens and lowered the Earth."

Modern science describes this initial union and separation in a marvelous manner the theory of net a. Most of this theory is recognized as scientific fact today. The basis of the theory originated from the vertical science in manner in a 1.55 and it states that the



formation of the Solar System involved several stages

We do not didness at the

- Initially, there was a huge cloud of cold gases and dust with its parts moving randomly.
- Due to the differential pressure around the cloud of gases and dust some of the dust gradually began to dust with nithe long and started to a link at a reliable.
- Due to the differential speeds of the different parts, small whirepools developed, they were pressurized and shrank. Each whirepool later became the core of a star
- Most of the buge cloud gravitated to the center to form the core
  of the first sub.
- With the passing of time, the cores of stars begin to introduce internal merion. This coupled with enormous pressure resulted in the concentration of some parts to the stellar core.
- For a document of pressure the temperature of the sun's are increased to about one or non-degrees cless is and this resulted in practical reactions within the sun. This augmented its enformous temperature and made the surface of the numappear british to a respect to regard to rate to the light, which promised the aumosphere surrounding the stars. Therefore the Solar System began to take the type of form in which a is today.

Clorified is rie Who says

Then He Istawa (rose over) toward the heaven when it was smoke and said or and the Earth come both of you willingly or unwillingly They both said: We come, willingly\* (Soorah Fuszilat 4). 2)

He, Most High, says

THe has created the heavens without pillars, which you see . I (Sooron Lugman 31-10)

Some have interpreted this Verse to mean that Adah created the beavers without pillars. However, Adah did not say: "You see it without pillars", rather He said: ( ) " (

ay and Night

ate says

### الجرز الجن على النبار ويتكون النبت على الجن ﴾

\* He makes the right to go in the day and makes the day to go in the night. \* (Soorah Az-Zumar 39.5)

in the Arabic language, "Toknorr" (to go into) refers to the winding rolds of the turban, and Takarer of the night upon the day and the

day upon night draws duration or a a community circular motion. We have come to better understand this Verse in the light of the discovery of the Earth's rotation about itself which results in right and day

Cosnuc space is naturally dark despite the presence of the sun and stars within a Pastesearchers have discussed this fact and attempted to explain the muracle of the Noble Verses which merican clearly the darkness of cosmic space, the difference between brightness and hight, the separation of night from day, and what the sight uncovers while ascending





toto the heavens. Arryone who ponders over the Verses of the Noble Qur'an is confronted with several facts.

\* 5

- 1. The mentioning of night always precedes the mention of callinn in the Noble to ran or and a verse to Land 274 year to leave 2 and 90. Que and Verse 2 and or at an Older 24 and no character and 2 verse 3 and or at 2 que an 2 verse 5 during 2 que an 22 verse 6 Que and 2 verse 80 Que an 24 verse 44 Que and 25 Verse 4 to to 22 verse 80 Que and 4 verse 44 Que and 25 Verse 4 to to 22 verse 80 Que and 4 verse 44 Que and 5 Que and 5 Verse 6 Que and 6 verse 6 Que and 1 verse 5 Que and 2 verse 6 Que and 1 verse 5 Que and 2 verse 6 que and 80 verse Que and 1 verse 5 Que and 20 verse 1 and 2 verse 1 and 2
- 2. This cross also mentioned be are the moon in the Noble spor and Qur and 12 Verse 4. Qur and 22 Verse 8. Qur and 29 verse 6. Qur and 55 Verse 5, and Qur'an 75 Verse 9.
- 3. Whenever the right, daytime, the sun and the moon are mentioned in the same throad of tex, the mention of high, necessar provides a dayt me and the mention of his sun provides that a amoon this is exident in weive instances in the Nobie char an source as a verse 54. Our an Et Verse hand of the an extraor of the Nobie char and the verse 13. Our an Et Verse hand of the angle of the sun of the and the series of the officer and the verse 14. Our and 25 verse of the officer and 15 verse 39 (for an 31 verse 39 Char and 40, Quaran 39 Verse 5 and Quaran 41 Verse 37 and 38.

As recognizers ones to accountain the these Que and tours are in portect agreement with established some in touts which say that the amount is in a perpet a high. This is is natural assence of that it is a him some whose emanating give amont be seen on in when rettle just by their cutture celestra doubles a subserved that the Out-tail is unitary to amount high a for the include has no prior knowledge of the custions, which expects a declarate logical order or reasonable of the right to the moon and the day on with the son. Thus is because these verses are the words of the right. I morable and Evaluate these verses are the words of the right.

The importance of icanowing these tacks is in order to imaging the wildow behind is or as with a xidder Verses. Jurian 11 Versi 114, Qurian 17 Verse 78, Qurian 20 Verse 130, Qurian 93 Verse 1 and

2 Qur'an 71 Verse 16, Qur'an 6 Verse 96, Qur an 91 Verse 1 and 4 orbits remove may assess a tribible attachment to condense or these senses in the part who has nevertic, their and Altah, the canod. Knows best

Stellar orbits

Allah, Most High, says

"It is not for the sun to over take the moon, does the night outstrip the day? They all Boat, each in an orbit." (Soorah Yo Seen 36-10).

Arabic linguists interpret the word "Falek" (orbit) as anything in plan Arab has mentioned the sum and the major and the originard day time", but what does the plural "Kullum" (they all) refer us to "Ar haz then of the contest Mas, in schola so satisfies no pussible for us to say

"They all float, each in orbit."

Except that stars are inclusive so that the implication of the piural is established, bath or as a rows for position or modern science that he soars and planets have orbits to white they are actached and will not float except on it.

Expansion of the universe

During the late sinches. Hubble discovered that the universe was expanding and opening outconfirming disreby the statement of Allah. Most High

"With power did We construct the heavens. Verily. We are able to extend the vastness of space thereof" (Sourah Adh-Dhoorlyat 51:47).

The perpieced scientist, Emission was easily proposed the shoots an establishes are verse, and imperior him. This prosecute to obligate his observatory so as to story this hadding reveration. Each deviced services so the Zandinian many this signs they would have an indicate

if leads in part of this discovere. The analysis of the countries of the state of a dark night and see the enormous number of stars at the universe.

Muon Intro

Allah, Most High, says:

"The sun and the moon run on their fixed courses (exactly) calculated with measured stages for each (for reckoning etc)."
(Sourch Ar-Rohman 55:5)



I us Verse does not indicate the solar and funds yours as it appears to some; rather, it points to a tremendous miracle which has been discovered in science that both the sun and the moon have heat social and distance that is accurately established with respect to the Earth Were the sun to expand its size a bit or come closer to the Earth is would be set after, and were it to shrink or move further away from the Earth, then we would freeze if the moon were to expand a little or come closer, then we so but it would be crowned during to the ocean and were it to shrink or move further away then the ocean would disappear from us

Does not this indicate an accurate computation?

When we listen to statement of Allah, Most High

Lord of the heavens and of the Earth and all that is between them, and Lord of every point of the sun's risings 'Socrab As Saffar 37.5

We reasize that it tasks about the Earth and its rotation, but does not consider the Earth alone, it also calls

676 7



about the heavens. A star has been recently discovered which revolves about two suns (Alpha Centaum A and Alpha Centaura B). Every day, it has we suppose and we supposts.

Alloh, Most High Saxs

﴿ رَاتُو مُنْهِ مَا مَا مِن الشَّمِينِ طَالُو بِيهِ بِمُرْجُونِ ﴿ فَعَالُوا بِنِهِ مُنْكِلُونِ أَنْهِ مِنْ فَلَ عَلْ فَوْرًا مِسْتُورُونِ ﴾

And even if we opened to them a gate from the heavens and they

were to continue ascending thereto, they would surely say 'Our eyes have been (as if) dazzied. Nay, we are a people be witched" (Soozah Al-Hijr 15:14-15.

This yearse discusses three important and amorning issues would require consideration before embarking on space exploration.

- I here is a specific window of the atmospheric envelope which serves as a planage way for a space shuttle. This is what is indicated in the Qur'an with the mention of "a gate"
- Z. The word "throy" has two meanings; ascension and curve, and these are two roud, done for the escape of a space shaule from the atmospheric envelope.
- After escaping from the atmospheric envelope, the shuttle true orders pain darkness as though it has shut its resemble it.

\*Our eyes have been (as if) dazzled\*

The cleaving of the Moon

### وَالْمِيْنِ السُّامَةُ وَالدَّيْنَةُ ﴾

"The hour has drawn near, and the moon has been left arunder"

Zengle of A shalper The snow presenter asked for about the verse

"The hour has drawn near and the moon has been left asunder" (Sound At Operar 54:)

Does it contain a Qur'ante scientific wonder?

Or Zagharal remied. "Thave a story concerning this verse while was altered age a pregram at a white an average to western thream the galant ag was a re-void one. Mushins and non-A ashins. There was a very seek a subset of about a mintain wonders of the Nonie Our an



broage published by space agencies of a clear cleft in the surface of the move-

During the discussion, a young Muse in stood up and said for co you operate the standard of Atlah Mos High as the characteristic and the more top for a total more as containing a scientific wonder from the Que and

"I replied: No, because scientific wonders are explained by science (or explainable by science) but as terminates, science, annot explain their. A miracious a phonomonomy belief is contrary to do naws of nature. This sport organism moon was a moral to the view of the Viewenger of Allah, peace and messages at Allah be upon him, combining his being a frephet and Viewenger Percaptible miracios are an evident and his apprentices who without here. And it not been mentioned in the





Book of A light Most Fligh, and the Summit of His Messenger. Who will blook of All photo appearance there is well as the description of the flow of th

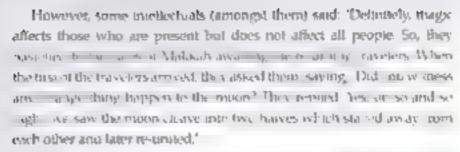
#### The Prophetic Miracie

Dr. Zaphilou, narratest the stees of the chaving of the mion as documented in the books of Prophetic raditions. He said: In the books of Prophetic fraction of is reported that he ceans before on grating non-Makkah o Medina some people of Queansh and to the Messenger of Alab, pears and biossangs of allab by por him and since a Mahammad of order and biossangs of allab by por him and since a Mahammad of order and prophet and Messenger him bring about a hitracter confirmation. Prophethone and messengers opset him asked them, which dues a want? They replied to reasons more for us, as a muracle and wonder."

So the Imphet, pears and blessenesse Attalyte upon our stood op supply along to bis Lord for assistance in this situation. His cord. Ressed is He and Most High, inspired

him to point his noble finger to the moon. So, the moon clove thic two haives. which stayed separated from each. other for peyeral CONSCIURIVE Itours. and then. Fased logether, The dishelievers Sand

"Muhammad has hewstched us!"



thus some of here believed in Mahammad's Prophethood and his mossephytish of white some invisted on disbelie. This is why Alfah. Blessed is He and Most High, said in His Honored Book.

The hour has drawn near, and the moon has been cleft asunder (the people of Makkah requested Prophet Muhammad, peace and blessings of Allah be upon him, to show them a miracle, so he showed them the splitting of the moon). And if they see a sign, they turn away, and say "This continuous magic." They belied (Verses of Allah this Qur'an), and followed their own lusts. And every matter will be settled according to the kinds of deeds for the doer of good deed, his deed will take him to paradise and similarly evil deeds will take their doers to hell)." (Soorah Ar-Qomor S41-3).

#### A real story

Dr. Zaghlout said. After I ended my discussion, a young British Mushin stood up and introduced himsel, saying and Dawood Mossa Baitakook, bead of the Mastern Society of Britain. He said: 'Sir, may I make a contribution? Zaghloul said: 'Go ahead.' He said: 'I was research one for set it before he became Violatin), then it he Miss in suitainist presented me a translated lopy of he Noble Qur an I chanked him and clock the Him. Book home shoots I chemist his translation, the first chapter I came at his was homely a gallatin. This pier on the moon: Qur'an 54) and I read.



I said to myself) Is this a massinable standard? It is possible for the moon a clean assender and reduce together. What power is not can achieve such? He other and I became base with other matters or are it invover. Analy Most high, prejudged my a neerly in the scool for the traff. So, my consortiamen that i sixth watch he first shiftenession. There was a assentiation between the presenter and those notable American space a unities. The presenter was clinding the scientist over spending as in ach income on space variance at a time when the fractions was engaged in a member of problems famine powerly fiscuse and regression. The was as mended of problems famine powerly fiscuse and regression. The was assential this money was spent on the inhabitants of the Barth, then it would be more beneficial.

However the scientists continued to defend their positions and said. This section open has approximate a several aspects of the such as its media ne manufacturing and agriculture. This is not wasted money rather it has assessed us at developing lead by exter the finotogies. During the discussion came the new site, the landing on the surface of the mount the furthest space of eager over all terms of expend turn of has cost more than a hundred busion (US) dollars. The show presenter estimated. What sort of madriess is this? A hundred busion the other ars just to plant an American hag on the surface of the moon. The three scientists as said. No, the good was of the plant on American tage on the surface of the moon, rather, we had been studying the internal structure of the moon and we concerned a fact had we spent must prove of that amount to convince the world of our discovery hobody would have believed us.

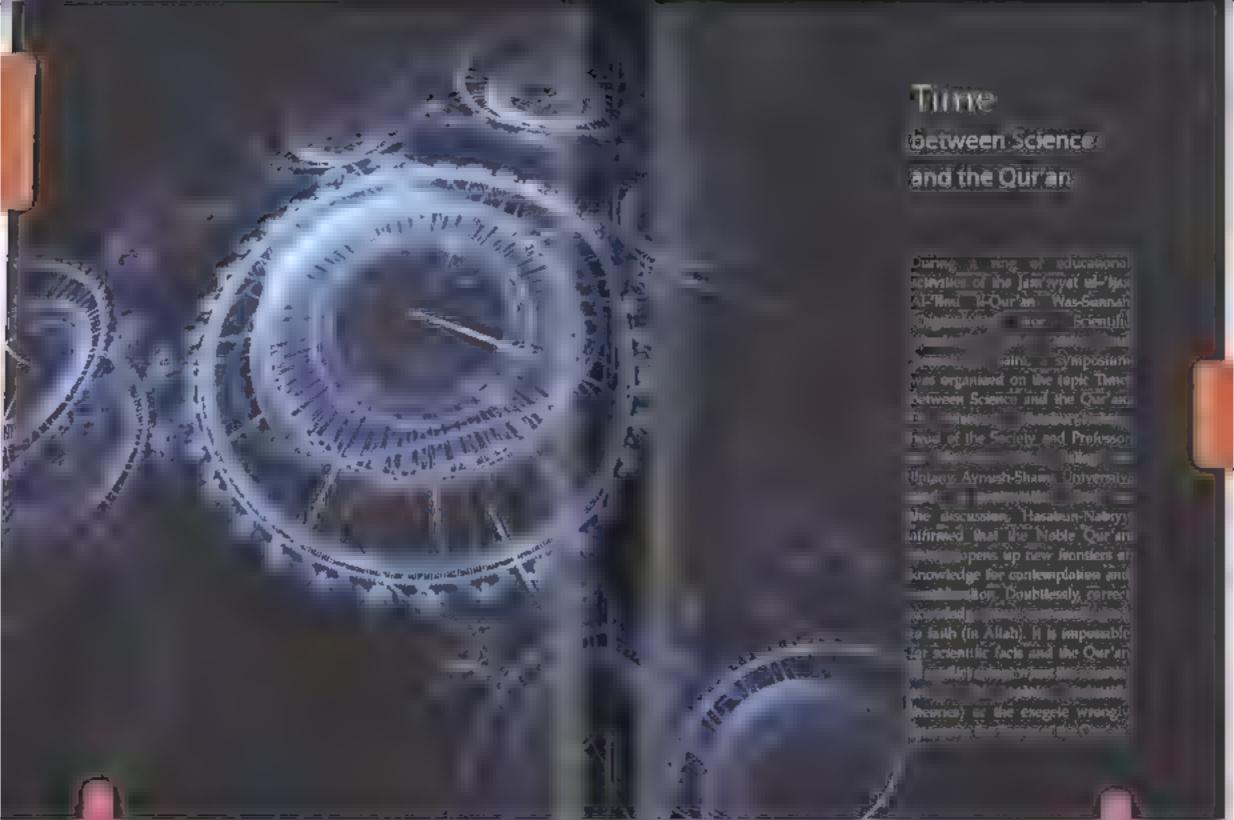
The presenter asked them what was that tack (you discovered)? They replied the moon once splitted we are they re-based together. The (presenter) asked blow did too know that? They replies We found a band of metamorphosed rucks which penetrals the moon from

its surface to its center and then to the opposite surface. We consulted spill of any process of the same of the possible for this to have occurred except the moon had once sput asunder and then to the topy that the vice process and I sprang end of any main and said. A notable which or single to Muhammad over our thousand our bindress or is against A all the soles of A topical or spend mon than one hundred by one delians to prove it for the Muslims? This must be the true anyther he so is School and this was what led me to accept stam."

now the Director of Tokyo observing in Japan accepted Islam

The story of the acceptance of Islam by one of the notable experts a his trace of ascending Provise Yushoo. Karazawa his order or of Tokyo Astronomical observatory in Japan is interesting and aspirenced his observatory is ingarded as the second observators on rankings in the world in terms of its infrastructure and exponent Allah without that he would visit Sauch Arabia and there occurred an exportunity for discussion with him at King Abdul Aziz University. A number of specialists in the neitos of astronomy and grotog, were in attendance. Also in astendance were some Muslim scholars such as Az Zindani. After presenting he Que and concepts on astronomy and facts about he universe to the gatheropy and having independent to faith he dependent to be bestate to publish his dated note of a fill mation of the traffic written on his handwriting. Its translation is as follows:

After at very tien, discrevered that the good consum amoreous screen fix acts. The an verse are discontents are thoroughly explained and electrical in the good and parameters the subdiscrete in the good and thought the subdiscrete in the analytical and thought are now well-understood. I hereby declare my (acceptance of) Islam.



He added that the Que an innehes upon several scientific essues we also include the reason of the answers means plus passions for close that A lab created the up verse in since a building any allows makening as large in species of the assumption of class or allows makening as large in species of the second as undirected in mother arthractions of days. This is based sections resistive. This is in consumance is, is the specials theory or means to

The softnite and of the milk themp hims and common tage things is very great Each one or us a morders the evaluation of assumment of time apportant for as an e-to-contages. There are several training phenomena afait and there and the mark to pattern also such as rodrum and unantum that decay by tosing weight to become least for every raction to retempt they. In a term to decay pattern beam as have properties some of these rational terminations such as unantum and arbein of the fermion the Age of the Earth and consider the farth in a secondar to the assumption of the converse to a decrease the age of the majority and considers to a decrease.

I'm anabon Nath a presented the own of the age of the arm reas a proof of the existence of A fab For as ong as the universe has a definite beginning interms 6, once, then they wear, must have been brough the existence it is improved for if to have any nated shell the Noble char an has explicitly avided man to research about the beginning of the universe and the argum of creation. A fair Colorined is the says.

"Say I avel in the land and see how Alfah originated creation,, and then Alfah will bring forth resurrect the creation of the hereafter e. resurrection after death, verily Alfah is Abie to do at prings. Soorah Al-Ankaboot 29:20).

We are refree from tors verse several appropriant indications that versions, in the barth we hardware as about the angle of the up verse use of the language, you age in the Farth, not is every on the earth point us. I arrived patient of the genopera, haves on the Earth so as in

the origin of his implication is an it the exist in the universe.

The Qur'an has mentioned in several of its Verses that Allah created. the surfverse mass days. For example, He says:

"And indeed We created the heaven and Earth and all between them in six days and nothing of fatigue touched (IS." (Soo)(II) Q01 50:38)

What is intended by "days" here are the periods or song stretches of I me user for the relation of the are verse and not do is as we manking or harth less as ate them. The proof of this is that the last was never described as "of which you redon" in any of the Verse which takes about the six days in which the heaven and Earth were created. As an example, Allah, the Exalted, says.

"And He it is Who has created the heaven and the Earth in six days. "
(Soorah Hood 10:7)

Also, He says:

"Allah jt is Who has created the heaven and the Earth, and all that is in between them in six days. Then He istawa (rose over) the Throne (in a manner that suits His Majesty). You (mankind) have none besides Him as a Walk (protestor or helper, etc.) or an intercessor. Will you not then remember or be administrately. He arranges revery altains from the heaven to the Earth, then it (alfairs) will go up to Him, in one day, the space where is a thousand years of your reckning the reckning of our present world's time)." (Soorah As-Sojdo 32:4-5.

The scholars of Taisees agree that the six days of creation are divided inc. I also all periods, each established to five laws of relative time.

Pirst: Two days for the creation of the Earth from an initial modes. One's because American violes and the Earth from an initial modes.

دو سان واس بي دوسين کاه

"Orie) created the Earth in two days," (Socrah Fussilat 41-9).

He also says:

﴿ أَوْلَ مِنْ الْمُهَا كُلُولًا أَنَّ السَّنَوَى وَالْأَرَفَ حَمَانَا ربد مستهما ومسايد الدارائي حروحي أنه يُؤسون ه

Have not those who disbelieve known that the heavens and the Earth were joined together as one united piece then We parted them? And We have made from water every fixing thing. Will they not then believe? "Soordh Anbiyo 2—10.

to a single unit use that the heavens and die Earth only belonged to a single unit use that came one uniter pass is then I explosive ratatequations." (then we parted them)

Secondly As a lass for setting on, the heaven in seven heavens in equal layors. Allah says.

Then he completed and finished their creation as seven heavens in two days and he made in each heaven its affairs (booruh Fussitat 4 2)

He (Allah) is referring to the initial smoky (hazy) nature of the heavens.

# م أم أسود إلى من وفي تُعالَ عند عا وإلا أجر فيها طُرِعًا وَ كُرُهَا وَلَا أَبُ عَالِمِ \* \*

Then Heistanda frose overstoward the beavens when it was smoke and said to it and to the Earth, dome both of you willingly or unwillingly. They both said: We come, willingly "Soorah Fussion #1-11)

This was after its explosion in two days, after which he shape in the many my began to a rine. Then to indiplom a cultural and one contains

he fashioned from and invented them as seven heavens in a period spanning another two days.

The div six of the agent complete Furth good year and making a habitable for man. The Cloribed says:

الله وجمد فيها الرحق بن فريقها وإمرت فيها وعشر فيها فيا بها في أحم باد سن السيواري أيَّ

"He placed therein (i.e. the Earth) firm mountains from above it, and He biessed it, and measured there in its sustenance (for its dwellers) in four days equal to all these four days were equal in erigin to take for all those who ask (about its creation)." (Secret Fussiles 47—0)

that his same and became comented in the beganning (of the ormation of the universe), its creation was instantaneous. This is evidenced in the statement of Allah, Most High. "" "from above it." and "He blessed it," i.e. He made abundant the benefits of the things He made therein such as the water, plants and livestock:

﴿ مَنْ مَوْ رَبَعًا وَمَرِينِهِ ﴾

"And brought forth therefrom its water and its pasture" (Sourch An-Nazyat 29:31).

"And He measured therein its sustenance for its diretters). " Let He provided for its live ers their sustenance is meating therein evers, trees and animals in preparation for the advent of man.". In four days equal (in time) for all those who ask (about its creation)." Let us four days is those in reaso nor decrease as information or those who ask amongst markend.

Or Hasabun-Nabyy explained that scientists had achieved - using the radioactive decay of uranium to lead, an estimation of the age of the Earth's rocks and that of multiplies, they estimated that the formation of the Earth's rocks ago and that this is

# ﴿ عَالَ إِنْ مَا الْإِحْلُ بِينَ إِنْ اللَّهِمِ لَمُ يَكُنَّ مَنِكَ مَثَلَمُوا ﴾

"Has there not been over man a period of time, when he was nothing to mention." (Second Instan 76.1),

Science has confirmed that man appeared upon the Earth's surface a few tens of thousands of years ago we from method up a femble for the possible to inter the third differentiation of the growing or the factly commenced with the anchoring of the meteoric monatures on its south character of, against or water and air roth with a furthered we succession of several darward are many surposms up to main arms additional factors as stretched to many approximately 4.5 hallon years.

the character is so all the matell, points in that due protect is equivalent to a third in the aniverse street the geologic organization of the Earth beginning with the set difference of the associal the appreciative of the converse lines, the perspective of the Quitan by mall plying the geologic period by three (since the region of the aniverse size of high the first plying the specific plying the period by three (since the region of the aniverse size of high the first plying the size of the aniverse size of high the first plying plants old.

It has not habits intercent that science as a today is set of arrive a the explanation of the essential particles of the explanation of the essential particles of the proof explanation known in autonomical physics as the "Big Bang" is refusely have a improved the age of the masserse using correct means and have arroyed a sex can be broaten be explanated or the universe money for explanation of the universe money that the age of the explanation of the universe money that the age of the universe to adhere as the explanation of the universe many tests of the explanation of the universe many tests of the universe is 13 or 15 bellion years.



### Polar flare

With light energy appearing from the module of the sky in the right, forhered is a species of the light copies and and This natural phenomenon usually appears between absules 40 north and 40 south

Among the favors of Anah upon mankind is that, whenever some

of these destructive natural radiations approach the surface of the Earth as showers, the stabonary elevated objects on Earth work successively to descipate these charges. Otherwise these would be widespread lightning strikes and fires. In fact, all things on the













has large uply in a conductors the same its promotions of Casally this phenomenon appears as a gave which is visible when its dark and may be a nazing Busions. Consider the person who first discovered it. What was previously known was that within clouds, there was friction which resulted in lightning backages between moent discovered disprove this. The present indicatant ing is that the higher clouds a amount clouds contain any or to solate the away a discharge occurs in the term of a time of me and its contains a part copies to the atmosphere. This phenomenon is what in that an open of the atmosphere. This phenomenon is what in that an open of the atmosphere. This phenomenon is what in that an open of the atmosphere.

﴿ أَوْرَ إِنَّ لِلْهُ يَرَوْنَ مَنْكَا أَمْ يُؤَلِّدُ يَنِكُ مَّ يَعْمَلُكُ وَلِكَا مَنْ الْوَقَالَ مَنْ الْوَق التقويد يتالوقا بأير اللهائية اللهائية والبيانة ويسرية عن أن بدأة بعدُ ساريد المعث والأسر ﴿

See you not that Allah drives the clouds gently then joins them together them makes here into a heap of layers and you see the rain comes forth from between them. And He sends down from the sky hardlike mountains, or them are in the heaven mountains of

had from where He sends down hall) and strike therewith whom He will, and averts it from whom He wills. The vivid flash of its (clouds ightning nearly binds the sight." (Soorofi An-Noor 24:43)

As for thunder, then it is nothing but the sound of expanding air Whenever, the discharge occurs between the clouds and high relief of the Earth it is known as a churclerbult and it could a "whoever it has A talt. Most High, says

## ﴿ يُمَّا لِنَّا النَّهُ الَّذِي بِهِ وَلَكُونَكِ ۞ وَمِلْكُ مَرَّالًا كَيْكُو تَلِيدٍ ﴾

Verify We have adorned the near heaven with the stars (for beauty). And to guard against every rebellious devil." (Sporah As-Saffat 37-6-7)

The atmospheric envelope of the tun is made up of charged particles — protons and electrons. These occur in space as solar wind. However,

the magnetic field of the Earth (which is very strong) deflects it and concentrates it at the magnetic poles of the Earth heir collision with earthly oxygen and nitrogen molecules results in red, green and blue light known as Aurora he Aurora appears



at a distance of about seventy index or more above the Earth's surface in the lighter atmosphere. If us, Aprilia, can be showed from very high altitudes.

This is how the magnetic field of the Earth's atmosphere protects the Earth from harmful solar particles



# The Protector is Allah

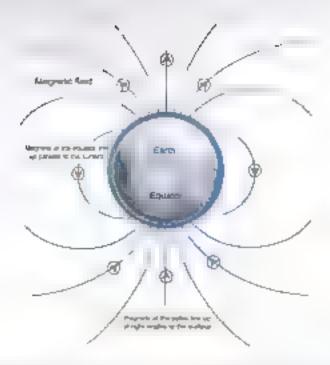
The Earth is protected by its magnetic field, which serves to deflect cosmo Gass, or any remaind an account some area from tremendous sour outbursts. The Earth's magnetic field deflects and makes machine companies the and revolve at great he person up to an thousand succeptures or more in a charged berikness as the yarr Alien.

Helt (named after its discover in 1958). Had it not been for this protection, which Allah ordained, then such electric charges would have rained incendiary thunderbotts apon us leaving nothing behind on the Earth's surface. See the Signs of A tah's bleecy upon in, how He ordained that we be protected. For each of the two (the electric charges and diagnetic field) there is an order, and everything before



Him (Allah) has a measure. From this we appreciate His words:

"For ear liperson there are angels in succession before and behind him. They quard him by the limit and of Allah Verify. Allah will not hange the good condition of a people as long as they do not a range their state of goodness themselves, by committing sins and by being one airdul and disobedient to Allah. But when Allah wills a people's punishment, there can be no turning back on it and they will find besides Him no protector," (Sograh Ar-Rait 13:11).



The context of the Verse indicates that the projection is from the most or biant to serve serve other playees. This is because the verse was revealed in context to what precedes () and what succeeds (in the Qur'an). Read the statement of Allah, Most Jingh.

"It is He Who shows you the lightning, as a fear (for travelers) and as hope for those who wan for rain, And it is He Who brings up for originates) the clouds, heavy (with water). And AnRaid (thunder) glorifies and praises Him, and so do the angels because of His Awe. He sends the thunderbolts and therewith He strikes whom He wills, yet they disbelievers, dispute about Altah And site is Aimighty in strength and severe in punishment "/Soorah An-Raid (3:12-13).

# The Prercing Star

The Creator swears with a magnificent cosmic phenomenon. He. shoraous is He, and Most High, savs

﴿ وُاللَّهُ وَعَلَيْنِ ﴿ وَعَلَيْنِ ﴾ وَعَلَيْنِ ﴿ وَاللَّهُ فَأَوْتُ اللَّهُ فَأَوْتُ ﴾

By the heaven and At Tariq 'the night corner of the bright star And what will make you to know what At-Tariq (night-corner) is? (It is) the star of piercing brightness." (Soorah At-Tariq 86: 1-3)

﴿ وَالنَّمِ إِنَّا مَنِينَ ﴾ عَمَلَ مَنايِنَكُم زَمَّا لَهُ فَي بِنَامِولُ مِن النَّولَ ﴾

"By the star when it goes down (or vanishes). Your companion (Muhammad) has neither gone astray nor has erred. Nor does he speak of (his own) desire." (Soorah An-Najin 53: J-3)



C 大事の名子ツ

He Most High, swears by the heavens and At-Tariq. Whoever hears this oath on a first occasion wonders who or what At-Tariq refers to this is why the High and Powerful Alfah) informed as that if is a piercing star. But how does a star become piercing? Is there a scientific explanation for this?

The scholars of Tabler have interpreted stellar radiation as being piercing and penetrating but regarding the attribute of At-Tang, if has bardly been explored. The second oath has to do with another astronometal phenomenon, the dropping (vanishing) star litis necessari to differentiate here between this and the phenomenon of meteors, which is considered a daily phenomenon since it occurs frequently. Meteors enter the Earth's atmospheric envelope daily and then been off when their temperature rises due to friction between them and the atmospheric air. Very sew of them fall to the Earth.

Had the Creator wided to swear by the meteor He would have done so. The meteor is mentioned more than once in the Quif an

Except such as snatch away something by stealing and they are pursued by a flaming fire of plercing brightness." (Social As-Salfat 37-10)

"And we have sought to reach the heaven, but found it filled with stern guards and flaming files." (Soorah Al-Jinn 72:8)

A lah, Glorified is He, did not swear by the phenomenon of a falling star but swore by the phenomenon of the dropping (vanishing) star Why?

The mass of neutron stars is coughly 4.1 times the mass of the same many when a star begans or interest upon itself it shrinks rapid is and he pressure into a atoms on mass. The atoms make those in form an electronic fluid that becomes denser (thickens) and becomes unable to bear the pressure due to the weight of the star and its grantational pull. The result is that the gravity of the star, crushes (breaks down)

the decrease from the past as it is done by the same the same but an impose of the population of the mean color of a distribution of the most color of the color o

The electrons join with protons and fuse to form new neutrons The state of the select teners being the larger on the larger of the state. weight which smashes over thing in front of it. Eventually early experience and the second of present some some that the state of the second some some some pressurized realism withhold any spece between the dense and teast to send a primerical most of the is after the maybell. He position management template sportings by the first text agreement of these forms of solutions and the solutions of t a sphere the size of a porthal everything up to the sized or roncome where this is he be placed apart the car have an other elected. bod the sureace of the hards or of that celestral built we lid not a new support this termindous weight and die to so for three years. or celestial body leaving behind it a note equivalent to its size

The store of the discovery of pussars, neutron stores is an interesting one he said no summe in stituent be easily and in some nominal some the Family using a new anstrument latered as the racio tolescope it is an instrument or sable to pack to aperadio signors, rate deep to a speciand great distances of up to millions of hight years away

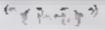
in the early seventies, astronomers were able to inserve severastars, all a worth sound the quality of an employment in typing the racio signal si albagoned in details. The radio signals, area as intermettent stated a three Business and a partition of the interest a six and and repeated itself every second or more

It is possible to generalize stars that on these accessionals as pured state in Agenta the start at one date matter much, a de-Trainer the piening, it is one of the signs of such which be a dominal is life, swore by

# وْ كُولِيْ بِمُعْمِينَ فَيْ يَا مُعْمِينًا اللَّهِ الْمُعْمِينِينَ الْمُعْمِينِ الْمُعْمِينِينِ الْمُعْمِينِينَ الْمُعْمِينِينَ الْمُعْمِينِينَ الْمُعْمِينِينِ الْمُعْمِينِينَ الْمُعْمِينِينِ الْمُعْمِينِينَ الْمُعْمِينِ الْمُعِمِينِ الْمُعْمِينِ الْمُعْمِينِ الْمُعْمِينِ الْمُعْمِينِ الْمُعْمِينِ الْمُعْمِينِ الْمُعْمِينِ الْمُعْمِينِ الْمُعْمِينِ الْمُعِمِينِ الْمُعْمِينِ الْمِعْمِينِ الْمُعْمِينِ الْمِعْمِينِ الْمُعْمِينِ الْمُعْمِينِ الْمِعْمِينِ الْمِعْمِينِ الْمُعْمِينِ الْمِعْمِينِ الْمِعْمِينِ الْمِعْمِينِ الْمِعْمِينِ الْمِعْمِينِ الْمِعْمِينِ الْمُعْمِينِ الْمِعْمِينِ الْمِعْمِينِ الْمِعْمِينِ الْمِينِ الْمِعْمِينِ الْمُعْمِينِ الْمِعْمِينِ الْمِعْمِينِ الْمِعْمِ

By the heaven, and At Tang "the night comer, in the bright stark, and what will make you to know what At-Tariq is? (it is) the star of piercing brightness." (Soorah At-Tarig 86: ) 3,

At The case cleans people a throw characteristics. Decisioning the piers ag Wen these qualities used dieva untel elestral bodies, it would to observed that pulsars our order siars. In his vial diese can his



star, night-comer and piercing. It has regular pulses and taps. The Taria emanutes regular intermittent taps (tick, tick, tick), which is very significate the beeps, which the radio signals have captured eminating from the pulsors (neutron stars). Astronomers have concluded that a stanemats very fast pulses due to the speed of its rotation and the speed of its energy. Also, an old pulsar has a very low frequency signal (it emits signals in a long period of time). This happens when its energy wanes and its speed of rotation diminishes.

Glorified is Anab who characterized this star with tremendous density and awore by it. The significance of an oath anforms us of the significance of the object of the oath. The densely of a pulsar is the highest density known (to man) and its weight is greater than that of the Earth



Advisorable (the halo flat a remain of siture that wently that Writed populational prices and a distance quarter become still the

despite its (relatively small) size. Now, let us picture what would happen to the Earth or to any celestral body were this star (pulsar) to be placed upon it or were it to collide with it. No celestial body can withstand a collision with it, not even the sun; the reason being its drea If all deposits. Astronomers have estimated the number of subsits. in our galaxy at about one hundred thousand. Naturally, it would be expected that he of sechillanes or galaxies you. Taiso con air head reds of thousands of pulsars

So if the heavens are fixed with pulsars, therefore, Allah, Glorified is He, employs this nath by way of emphasis

"There is no human being but has a protector over him (or her) (i.e. angels in charge of each human being guarding him, writing his



( J. y. - 1) 19

good and bad deeds, etc.)." (Scotof: At Torig 86:4)

Thus, the affairs of every soul are entrusted to a protector who watches and is in charge and protects it

family we find a new and were mange of the arc matter beginning the problem and a new and were mange of the arc matter beginning the problem as such as an end of the phonomenous of such details end on the suggest of a hand the problem of the progress of a hand the problem of the such that the problem of t

the Allahour From root can be estign around as about and swon by this sour poison. It may make of the sour dimank od and not only us. The protest are assessed to be a topology, from state his ver each sour to oppose a topology and the against discussion and had deads), even its (sours) palpitations.

Who summerly between the waterial protector who enumerates everything, small or my trickness details to receive the brooks of the area south to ask that it is a detail to the fronty my byte extracted all allows upon whom none of the secrets or map about the detail allows byte or and the control of or and forces (the street) from a not that all that under their Deace is upon the Messengers and all securities and thanks by to Allah and a late worlds (mankend, linn and all that past)

erest in the forther the angular debigues





### The Lord of Sirius

When we observe the Simus which has a right ascension, a star about fifty trillion (50,000,000,000,000)——miles away from us, we see it as it was nine years ago. This is because its light travels at a speed that the test do it about eight years. I we assume there was some intelligential torm close to the birties which has a right ascension observing our san, it would see it as one of many time orininous and brilliant spots, just as any star. When astronomers look through their telescopes, which becomes not to the acceptable are observing or intended as highly years away. For each of the luminous radiations which reach their discriminated a thousand years or more or less ago.

Therefore, astronomical observations are observations of the past and not at the present From the theory is Released to several areas. A states Everything



to age with it and time is to age with it and time is littled with everything in motion and it has its time of association). The rocket is faster than a plane and the plane is faster than a train and so on

we undersand the phenomena out there were stars could be as far as unificons of billions of light moles away? It truly is a wonder that the heavens (space) transmit information regarding us without inter-gent life on



If the atoms themselves transmit its messages and communicate to us what waters or clock die industries of pressure or temperature or movement. Whenever, the atoms react to influencing (factors) its electrons vibrate in every direction of the universe. Thus the heaveness is a more transmit information about itself taying that there is a fremendings Power in this expansive universe.

Definitely, we have taken from () a part and several others remain which we are yet to discover from our research. This is from A alt is creation, from His Mercy and Power, which are infinite. Altah – the most High – says

"And if all the trees on the Earth were pens and the sea (were ink wherewith to write), with seven seas behind it to add to its (supply).



yet the Words of Allah would not be exhausted. Verily, Allah d. Aimighty, All-Wise," (Soprah Lugman 3) 277

For every piece of information there is a specific wave (with a unite amplitude, phase and frequency). Whenever atoms respond to influences, they vibrate at specific frequency/amplitude and emit electromagnetic waves from (is inner shells in all directions in space. The waves travel in space at the speed of light. It is within our capacity to translate these electromagnetic waves into a language we can comprehend just as light radiation detectors have been able to. And A all says

#### رو بر من چندون بناه سمون و د... الا بمليور. په

"Say Are those who know equal to those who know not?" (Soorah Az-Zumar 39.9.

No, what is more marvelous, has the universe in what is a so the Qur'an points to these phenomena in more than one Verse, some of which have been mentioned above.

in Moder Advancement



## The Easts and the Wests

phonomera is a para since the big of the some and the harde is that of a discount of a since of some of a time through the source of the sourc

"(He Alone is) the Lord of the East and the West. La liaba life Howa (none has the right to be worshipped but He). So take Him Alone as Wakii (Omposer of your Affairst." (Secrob Ar-Muzzonimii 73-9)

#### 12 مد سرفي و بر دمره ارد

"Ole is: the Lord of the two Easts (places of sunnse during early summer and early winter) and the Lord of the two Wests (places of sunset during early summer and early winter)" (Soorah Ar-Rohmon 55 7).

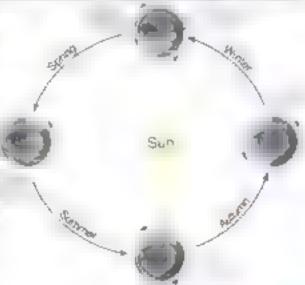
He also says.

"So I swear by the Lord of all the three hundred and sbityl points of sunrise and sunset in the East and the West that surely We are Able to replace them by Jothers) better than them, and We are not to be outrus." (Soorah Ar-Ma'arij 70:10-41)

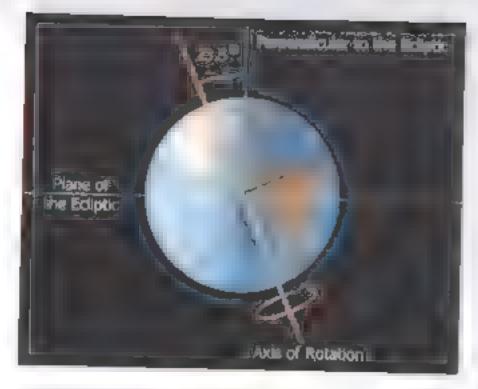
In the first Verse, the east and the west are mentioned in singular form, in the second (Verse) they are mentioned in dual form, and in the that I Verse) in particle in Alberta is not not a conservative are all these Easts and Wests?

It is destanding the sing our cost of insents is. In it is a by Whenever or are, we observe a position of sunner and a position of sunset for the sun. As for two Easts and two Wests, the scholars of Tapers have interpreted it to mean the positions of sunnise and surrects in the summer and senter.

We a knew Just the Earth con plates the revolution about the sun in three hundred and unity and a quarter days we also know that he declination of the control is principal area results in the friends seasons and therefore a ferent times and







positions of spiritse and subset throughout the year.

In white, Basi (place of surrise) and the West place of surset and open the Earth and change slightly every day, are the sun, rises and wils from a date cent place every day as the year rolls by. Thus, by this rotation, there are severy basis places of surrises and the Wests The countries of fasts and year and not us seen basis and two Wests. The countries distinction of the places of surrise and vises have seen the parties of surrise and vises would be what is referred to in

ورا بي عشرهي وريم المرجر (4

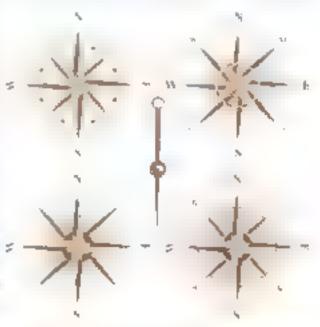
He is the Lord of the two Easts, and the two Wests Sourch An Rohman 55

So a so the second Easts and shorts which we observe threighour the year is what is reterred to in the third Verse-

"So I swear by the Lord of all (the 360) points of sunrise and sunset in the East and the Wost. "(AFMa arij 70:40

It is also possible that what the several Easts and Wests of the Earth name of the horizontal to different places about the larger several Easts and Wests of the Earth name of the horizontal transfer of a sum is a continuous process. At any time, the sum roots upon a place and sets upon another. If we are incompletely that the Easts and the Wests refer to its summises and sunsets with respect to

the stars of different sour clusters, each star as though it were the Earth San F15475 and sets over it Three are various interprelations of the several Easts and West and the two basis and Wests What a marine we are to understand -Profession and the mention ag cost and the west ind fferent contexts?



This becomes most clear when we recite the caled Verses along with those preceding them in the Quir and contemplating and scrutinizing its meaning. The context of the first Verse begins as

## و ، الأرائم رقد رتين جو تبييلا ﴿ إِنْ النَّهِ وَالشَّرِدِ لاَ إِنَّا فُو عَجْدَ رَكِيلا ﴾

And remember the name of your Lord and devote yourself to Him with a complete devotion. (He Alone is, the Lord of the East and the West, La Asha illa Huwa, none has the right to be worshipped but He). So take Him Alone as Wakii (Disposer of your affairs)," (Sourch Ar-Mozommii 77-8-9)

( A. A. 3. 19)

We observe that the mention of the East and West here is closely related to be mention a library and allow an amounts a lesson of the and observe to be appeared to an amount of the manner of the analysis of the imperior of the interest of an amount of the mention of the interest of the context.

## الله يديُّلا هو المجدُّ وكباد الله

"La ilaha ilia Huwa (none has the right to be worshipped but He) so take Him Alone as Walul (Disposer of your affairs)" (Sporah Al-Muzzammil 73-9)

for this sort of costains a where Allah is emphasized by the ending to the sense of the fine that the singular context is most appropriate. The mention of an feet and the total of singular context perfects the end area atmospherically which we experience from this Noble Verse. However, in the second verse the context of this leads to the context of the end of the sense of the context of the sense of the context of the sense of the context of the sense of t

The created man (Adam) from sounding day like the day of pottery. And the important day to create from a mokeless flame a fire. Then which of the Blessings of your Lord will you both (Bons, and men) deny? (He is the Lord of the two Wests (places of sunset during early summer and early winter. Then which of the Blessings of your Lord will you both. Jinns and men) deny? He has let loosed the two seas (the salt water and the sweat) meeting together. Between them is a baseler which none of them can transgress. Then which of the Blessings of your Lord will you both (Jinns and men) deny? Out of them both come out pear and care. Then which of the Blessings of your Lord will you both (Jinns and men) deny? Out of them both come out pear and care. Then which of the Blessings of

your Lord will you both "Fines and men) dany?" (Soorah Ar-Rahman

1 )

The discourse in these Verses comes in the contexts of duals. The florence of dial interests is that the is the interests maked non-ancient, that He is the Lord of the two Easts and the two Wests, that He is the Coe Who let loose the two sees (salt and fresh water sees) to meet but without transgressing, wereast better from these come pearts and corals. Thus the dominant context is the dual context and better it is nost appropriate that the East and the West should also be mentioned in duals.

In the third example, if we wrote the third Verse along with its processing Nurses and its a receding versus, we understand the reason for mentioning the East and West in a plural context. Attaly says:

"So what is the matter with those who disbelieve that they haiten to listen from you (O Muhammad) in order to belie you and to mock at you, and at Allah's Book (the Qur'an) (sitting) in groups on the right and on the left (of you, O Muhammad)? Does every man of them hope to enter the Paradise of delight? No, that is not like that? Verily. We have created them out of that which they know! So I swear by the Lord of all (the three hundred and sitty) points of sunrise and sunset in the East and the West that surely. We are Abie-To replace them by tothers, better than them, and We are not to be outrun." (Soorah Al-Ma'arij 70:36-61).

The discourse here (as the reader would observe) has to do with the disbelievers, therefore several easis and wests were mentioned in such a way that the contextual rby then is plural and the context preserves the character we have observed with the two previous Verses.

From another viewpoint, the Most High, Most Powerful (Allah) atty as to intemprate protounds the meanings of the outered contexts. The intent with mentioning the East and West in the plural context could be to call the attention of new dishelievers from new



is addressing them saying:

﴿ وَ أَنُّونُ رِبِ النَّمِي وَأَلْمِرِ إِنَّا فَانْعَدُكُ ﴾

"So I swear by the Lord of all the three hundred and sixty ) points of sunrise and sunset in the East and the West that surely We are Abio" (Al-Ma'ari) 70-40.

This (Easts and Wests) which We have informed you of and made. and we in an exercise in Earth electric control difference been by letters better their them and we are not roller versions? No finant this congruence, which we have shown in the three sets of Verses tremioned above is a long example of the and electronic and its bear that it was state A larger the last we and that the mention in the has one west of singular due, and plural longists impels seekers. to research and compropriate and are too deep and pre-stand thoughts. Contains, intenting amings, chance free do spines cost teamfor so contracted sage denie emanate with sometase as his except form the Money its face where A also from the and conferential concernathe meaning of "Lord of the Easts" and the Wests " we would find in this expression this new view point that was open roush. Things p. a. man Definitely the using and setting of the sun a levery moment upon I Herentic Bestand, take support her archivers some here are neglected human magination

Allege of the empty of the country of the state of the st





# Ascension and the Darkness of the universe



In our last examination of the statement of Allah, Most High-

'And even if We opened to them a gate from the heavens and they were to continue ascanding there to: they would surely say: 'Our eyes have been (as if) dazzled. Nay, we are a people bewitched." (Sourdh At-Nijr 15-14-15).

We come across another scientific wonder in this Verse, and that is in this (Evalued is He) statement.

# · 美国的公共企员员由》

"They would surely say "Our eyes have been (as if) dazzled..."

This is from the fact that the eyes have been duzzled and the darkness of the expansive cosmos has been the outcomes very consistent on spansive terms and the expansive cosmos has been the outcomes very consistent of a cost of

'And a sign for them is the night, We withdraw therefrom the day, and behold, they are in darkness." (Sporoh Yo Seen 36:37).

When He compares the removal of the extremely thin daytime strain is the termoval of the skin or a sungitimed a notal from its whole body, a matter which affirms that darkness is the norm in the necessarial day is this but a thin is centive phenomenon, which only becomes visible in half of the Earth's atmosphera or colonic which faces be sun as the Earth, rotates about itself. As a rose tof this rotation half its is gradually bared from the intense darkness of each night and the heavens, just as the slun is gradually bared from a slaughtenest anima.

Viso, affirming the perpetual darkness of the space is what the Qur'an confirms at another place, and that is Aliah's Words

Are you more difficult to create, or is the heaven that He constructed? He raised its heights and He has equally ordered it. its night covers with darkness and its foresoon He brings out (with light)." (Soorch

#### An-Maziyat 79:27-29)

refers to space. The meaning of this is that Allah, Most High, made the right of space perpetually of intense gloomy darkness, whether it may be after the arkness. The atmosphere which the light of day engulfs Our Lord. Gloribed is He, describes it in His Words. (1997) the "lis forencon He brongs out (with light)," we. He made manifest the light of the sun so hat it may be perceived from places on Earth as light and heat in the Earth's daytime.

This is confirmed by the oath of Analt by daysine, that when Rimanifests the sun, i.e., He unveits it and makes it bright. So, He says:



"And by the sun and its brightness. And by the moon as it follows it (the sun), and by the day as it shows up (the sun's) brightness; and by the right as it conceals it (the sun)." (Soorah Ash-Shoms 91.7-4)

That is, it is the daytime which makes the sun visible and bright to whoever views it from the Earth. This is another of the scientific







wonders of the Jurian confirming that the reduction of the sun is not seen except as light during daytime and that the universe his one the large is place darkness and that he darkness strat in most have characteristics which enable is in the manuestation and brightning of the sun's light to support life on Earth.

These are some of the scientific wonders, which these two Sobje series and in Proceedings then are some to wonders in these series and others which science is set to discover. An diese affirm and confirm the miraculous nature of the Qur'an

### يو وليُدُندونُ رب السابق إن

"Antitiruly, this (the Qur'an) is a revelation from the Lord of the Alomeen [mankind, Jinns and all that exists)." (Soorch Ash-Shu'nz 26, 192).

And that:



'Falsehood cannot come to it from before it or behind it (it is sent down by the All-Wise, Worthy of all Praise (Anah).' (Sociol) Fusibility 47-42

And it is the perpetual miracle to Allah inherits the Earth and all that is upon it.

As for the entering of space, it is not possible except through an open door (window). The motion of any celestral body occurs in winding curved elliptical or helical) paths, which are not straight. This is what the Qur'an describes as 'Uroo' continuous accession.

These are some of the scientific wonders occurring in the statement of Alfah, Most Fligh

'And even if We opened to thom a gate of the heavens and they were to continue ascending thereto, they would surely say. 'Our eyes have been (as if) dazzled. Nay, we are a people bewitched'' (Soorth AV-Hijir 15, 14-15,

Another aspect of the scient fic wonders in this Verse is regarding. His saving

"They would surely say: 'Our eyes have been (as iii) dazzled. Nay, we are a people bewitched."

The meaning of the Verse is. Were a gate of the beavens to be opened to these rejectors of the Creator, they would say: Definitely, our eves are dazzled and covered. They are not able to see anything, and at this point – in this situation – man can see nothing but darkness.

This Qur'anic parable describes a fact about the universe which modern science only recently acknowledged. This was unknown to man. After man gained ability to go to space, it became apparent that

Indeed the perform where the daviders shows along the harters and its length, breadth and the common and the members and the continuous and persistent and the common between the act has the varies about one handred and its in hore known terms, and the radius of the known universe is about tweever between 19 if mars, then we understand him insignificant the thickness of the continuous strainm as and its non-constancy use to its transfer from one point to another it also becomes creat to us but this are stratom scale from using darkness of the universe beyond the Earth while we experience bright darkness of the universe beyond the farth while we experience bright darkness of the universe to the darkness to the universe. That then ight stratum moves to be other had to be hartly to separate it from the overwhelming darkness (of the universe).

The highest op, or daystime in the over stratum caseer of one Larth's envelope in the pleasant white color in which we see it date is a termengous blessing from a nongs; the blessings of A aib appear is matures the meason for dusts that the air in this layer of the atmosphere has the greatest density (relatively) and as we rise the density in mishes with in a tradity nonexisting. This layer is saturated with water capor and dust particles, which the wilds pick from the surface of the target and dust particles, which the wilds pick dense air he water capor and dust particles, which the wilds pick of his dense air he water capor and dust particles scatter and reflect the rays of the surface of the pick are while disting the air as a light phenomena is limited to the low it are no the althospheric envelope of the half of the Earth facing the sun.

After exceeding the two-bundred k longeter mark above sea level, are becomes careful due in its sparsamess of incontration and now to ment with being. And can to the sparsamess of both water vapor and dust particles out in opportable on the heigh and a most been map some steer. The sun and other stars applicar as or local blue points is an engaging pitch park occur (or space) because their tachatiques of

nothing to scatter or reflect them in the expurse of the inverse.

tenfies of the control to the discovery by science. By comparing one ascending into the heavens with one whose exes are as in dazzled such that is sees in third, but complete poles carkness, or wite someone whose sight is affected by magic and can hardly see anything going or around him, boths a that affect an detailed expressions of weat the earliest exproress of space expensione upon going bey much education strains and emering may the parkness of the unit rise. They narraised their expensions in a mariner that was summar to what was expressed by the corse of the Que an se though previously being aware of it, the Verses).

"our eyes have been (as if) dazzled."

Allah says:

"We will show them our Signs in the universe and in their own selves, until it becomes manifest to them that this (the Qur and is the Truth. /Sourch Fursilot 41 53).

Therefore the space is not just an empty place as previously assumed but lattier a build-up rate which entire is impossible except from an open gate. Let us examine the statement in Noble Verse.

"And they were to continue accending there to."

The word Al-Uron interpreted in the Verse as "continue according that to singularize a many his motion of a most only of orecons notice, path. Extensive studies have proved that the motion of bodies in the attacks can never be in a satingly part moves as a times be an sed and working due to the discussion is preading; of matter and energy in the avious context, when any material body oppositions in the



magnitude or minuteness of its mass, cannot but move in a curved path

It has become confirmed in science that a moving celestral body in space in partitions in its mass has a traces, and reput to as As Uncop. Had at the been or be uncorstantly of the process many activity is required to space a two lid not have been passible for map to launch arbition satellites into space not venture into space.

The explanation for this is that for any object faunched into the sixtes it must necessarily travel in a curved path. This is due to the ombituation effect of the rorce of gravity and the tool of proposition. The magnitudes of these two forces depend upon the mass of the object in motion. When these two apposition ones are a consider to the object begins to revoive in an orbit about the Earth, propoled a laboratorial speed known as angular velocity.

This is a delicate measure which the Creator Glorified is He, between the little of growth and the one of proposition needing, from the cleaving of the heaven and the Earth) is what determined the orbit in which ach celestra body moves and the speeds at which eached draw moves in its orbit while relating on its axis.

Since the gravitational pull of the Earth distribution with increase in all ruce above the Earth, the speed of an object ascend by into space changes will a change in its all time. By knowing precisely the reprocessing between the gravitational and in the Earth and the speed of an object both a mark had into space. The possible to compare precisely too begin to a scholar his time and the space of the Earth of a scholar frestein such that it others into the space of all a second the Source Sestem such that it others into the sphere of this ruce of a larger body and revolves around it.

The least speed hope to be a smooth the y avalation, opin of the Earth for an object lauriched from its surface, oto space is known as the escape velocity. It has a known computation

The Noble Qur'an has described the ascension of objects into space at places other than the one we are examining. He says.

"He knows that which goes into the Earth and that which comes forth from it and that which descends from the heavens and that which ascends to it. "(Soorob Sobii 34:2)

"He arranges (every after from the heavens to the Earth, then & (affair) will go up to Him. In one day, the space whereof is a thousand years of your rectioning (i.e. reckoning of our present worlds time)." Socrob As-Sojdoh 32:5).

"And were it not that all mankind would have become one community all disbelievers, desiring worldly life only), We would have provided for those who disbelieve in the Most Gracious (Allah), silver roofs for their houses, and elevators and stair ways, etc of silver, where by the ascend. As Equation 43-13.

"The angels and Rooh (Jibraeel) ascend to Him in a day the measure whereof is fifty thousand years." (Soorah Al-Ma'ari) 70:4).

So, praise be to Him in whose Hand is the dominion of all things. Allah says in His Book.

\*(He) Who made everything He has created good. \* (Soorah As-Sajdah 32-7).

Praise is to Allah, Lord of the World's.

So, we say the Nuble Qur'an contains several facts which modern science has established and continues to establish our after day. Amongst that is what occurs in the scatterness of Allah, the Exalted

# و و و صحما عبه و اس است معلو به بعد جرد ا عدالوًا إليّا شَكِرْتِ الْصَدْرَةِ بَلْ مَنْ عَنْ الشَّارِينِ ﴾

And even if We opened to them a gate of the heaven, and they write to continue ascending thereto, they would surely say. Our eyes have been as if dazzled Nay we are a propositionarched. Sociolistic highest 15:14-15).

The Iwo Noble Verses occur in the context of a discussion about the obstinue, and baught now or the disherences of Quransh toward the Messenger of Viah, pract and biessings of Viab be upon him, and their beliang what to brough of clear proofs and guidance. These two Verses to still a listing example of the taughteness and obstinue of the people of la school foreard the truth over it Viah. Mosco igh, were teopen or their a gate of the heavens and enable them to keep assending hereto with their box los so that this may obsert a the amore of reason of Allah and applet als the Magn acence or is Pewer to originali creation her would still leadt her signt and reachest evesight and interest. They would also accuse themselves of complete meapar taken of sights at I would may be that they were in a state Clibery schment A. Chese are altempt to dodge the sruth due to the and that they have extreme basted for the rule and are any lost rate people char purpose how is not to detay the position of the haughts and idolatious amongs) to Cincuro or others, so then eather small we intend is to comprehend some of the scientific wonders of these two noble Verses as the opportunity permits.

The first point of scientific wonder in these Verses is Allaly's statement again to understances. Science casessan shed categorial is to space is not empty as much was used to assuming not for longery again. Knober—is a structured observation into which in these uppossible except through an open gate.

Entil recent years, it was not known to anyone that space—despite its expense—was not supply by as filter with matter of a trempty the once ration in the term of careful gases, the major gases being live to propose out on any one major careful about a vegen it regen, water vapor and neon. All these, along with enormous amounts of

different radiations form the universe. The principal reason for the previous assumption that space was empty was due to the gradual decrease in pressure in the atmospheric envelope of the Earth with increase in altitude about the surface until it becomes practically imperceptible beyond a thousand kilometers above sea level.

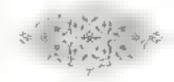
As menhoted earlier, science has eventually confirmed that space is a small and budging constitution fixed with matter and energy and arrived by principals. Scientifican he path of an open gain, but is what the Qurian has mentioned in this Verse we are examining and in other Verses. This is testancies in the Ir. It is the Qurian and that it is a revelation from the Lord of the entire creation and all that is in the powerse.

# وشق الوالون الفوائل عن والمديرة بالمنتاوي

The Work of Allah Who perfected all things, Verityl He it wellacquainted with what you do? (Soorah An-Nami 27:88)

This Verse contains examples of scientific wonders other than that which we mentioned. We shall soon examine them in due course in our subsequent essess the besees to aliah for guidance. He is the hatron Lord, what an exement Patron Lord and what an excellent Helper' And the last of our supplication is Praise be to Adah the Lord of the Workls.

regulation for fragme in Newscard Advancement 4, 4, 10.



# The Atmospher c pressure

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The marvelous verse

Aliah, the Mighty and Sublime, says:

'And whomsoever Allah wills to guide, he opens his breast to Islam and whomsoever He wills to send autray. He makes his breast closed and constricted, as if he is climbing up to the sky" (Soorah Al-Anton 6.725)

ungsistic Explanation

Ar-Floray Al-Mutaharrip the one who refrains from six.

A will the product in other said to a ghase is the many names of the said of t

Rapiliat Harajute A porochial man

Haraja Sudrulna: His mind its narrow and not open to goodness

Scientific facts

As one ascends the say atmospheric prossure docreases and so does the amount of the period in the treatisms and appropriate difficulty in breathing.

Scientific explanation

Allah, the Mighty and Sublime, says in His Book

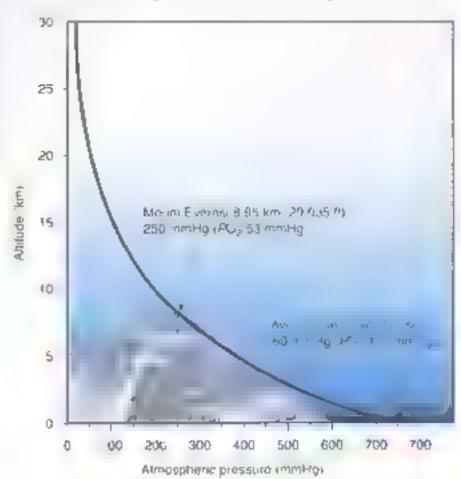
"And whomsoever Allah wills to guide, he opens his breast to Islam

and whomspever He wills to send astray. He makes his breast closed and community as a hear maining up to the sky a social A. America 1257.

This is a clear Verse that points explicitly to two facts now confirmed by science.

First Amenoradous, hange occurs in a true sphere prossure is the ast rise into the sky resulting in a constriction in the sungs and aid fitculty to breathing.

Second: Each time one goes higher in the sky, the atmospheric pressure and the quantity of available oxygen reduce, which lead to constriction in the lungs and difficulty in breathing.



in least flats flast all on semed that atmospher i pressure decreases with altitude above sea sevel.

The eye of the analysis as states that he steer the mass, it the process as not exemple, a substate in a vertical care, and so that this process of the mass of the attribusphere in turn, and sets son the turn is a soft in and beenty thousand feet above sea level.

A scenariot per entity forms while the 1x the processes of above sea level. Therefore the density of the almosphere acceptains tape was ascend to a vertical direction such that at very high altitudes, the density becomes extremely low.



The same encyclopedia states that a more of the require congress with the sceptione is implemented from against a Manas an example cannot do without breathing the year to remain a second discrete of manal all the formers than more in the possence of than his range). The presence of manal all the research than more in the possence manal all the problem. In managing the presence of manal and the transfer of the problem is managing the problem the managing the problem and the problem that the problem is respiratory organished and the managing problem and appropriate the first than the problem is respiratory organished and the managing and difficulty. However, we mad his managing about the matter and the first transfer and difficulty.

due to lack of my gen.

The Attending Encyclopedal says. "It is necessary for an airplane at very high-altifudes to maintain a specific internal pressure as protection to its passengers, here is atmospheric pressure at such astronous area much below tevels required to preserve adequate traygen to keep passengers acree. Also rapid change in atmospheric pressure resulting to an hange in atmospheric pressure resulting to an hange in at an encapsurable, or her is consider a horizontal encapse in the blood so decapid discussion pressure."

to do not be propheduring the time of the Prophet bears and histories if Allah he upon with were nether aware or hange nor devicase to pressure a chart one nor that dissolts many deficie a mathematic in fact. I nest a so replaining to the arteries a tremendous heights. Despite that, the Verse explains that Allah says.

"And whomspever Allah wills to guide, he opens his breast to tsiam and whomspever He wills to send astray. He makes his breast closed and constricted, as if he is climbing up to the sky." (Social Al-Aniom 6:125).

It explicitly points out that the breast of man becomes constrained as he dones on the sex are that the constrained in reases as his a titude receives until it becomes unbearable, this is the interpretation the scholars of the Arabic language have given the word Al-Hami

The transcorpersord the assertion and he say in the base manner fas if he is climbing up" since its basis - Yotasi who the alphabet To was transformed to Said and assimilated into the Said and it became - Yosas adv and its meaning is that It will make an ascension after another therefore does not alk constrained on reperturbed from the high a brodes in the almosphere and also had a intrinse to increase the tilbecomes unbearable.

Clorified is He Who made bearing His Verses a source of bewilderment and initiation to a people and a means of reflection for there in a serious who perpected a him together or this field, the protocol or the serious or the protocol or serious or the serious of this speech and rathed with the course of this symbolic map resources the intelligential

Cloritied is He Who revealed upon His unlettered servant:

"It is only those who have knowledge among His slaves that feat Allah." (Soorah Fattr 35.28)

The scientific wonder in the Verse is the meaning of Yessa's diversion that he browning or exact resolutions on a constraint in breathing. This is what science has only proven in our times.



## Orbitations of the Universe

O+b tation is a character stic of the universe.

Allah, Most High, says in His Noble Book.

﴿ وَهُو الدِي عَلَى أَلِنَ وَأَلْبُ وَأَلْبُ مِن وَأَلْمُ مِن وَأَلْفُ مِن وَلَهِ مَم وَلَهُ مِن وَال

'And He it is Who has created the night and the day, and the sun and the moon, each in an orbit floating." (Sporah Al-Anhlyo' 21:33).

This Verse points us to an important fact related to the order of motion in the universe. Modern science particulate the discovery of the fact and in Martinosting is after establishing that we see it as expansive some reconstruction depends on recode in which is ake orbit about a central point. The Earth revolves in a specific orbit around the sun since every year and the moon revolves in a specific orbit around the Earth ongreevery Arabic linear) month just as a lother

planets trave specific orbits to which they revolve around the sun. Most of these planets possess moons, which orbit them is supposed to be the form of the sun for observed over and visuch moons.

The Solar System in which the Earth exists revolves around the rection of the Asia was parased which contains a notice on conditional and theris of son stars. As a group oil the galaxies we are moving at other about a most known to be important. But it is as though by this south of partials. If the a news we are nowing at some of partials of the annual content of the content of th

If we turn our attention to the atomic world, we find that the atom which is set to be exercised by anyone along the naked so or with the arc of the most power is or a rose spes, it is much up or an around nucleus whose it ameter is no presidential our ports it is million or a



mallemeter do fine attelectronic more nivolving monds, in orbits. This implies that the along of a local for be they so in supply in glassous in the artisers, observe the phynophenon or orbit. Included in this are all discators that make up or bodies, food, orbits, as which is initially all hypersons is bother plant or animal and every tools sold in a faith such as the seas sand and mountains or the beaven soch as stars, plants, mountains of the heaven soch as stars, plants, mountains of the heaven soch as stars, plants, mountains or the heavens and has gases, meteors, pulsars, comets, etc.

The world of fiving organisms does not contravene this universal norm which points to the unity of the universe and the Oneness of the material contract a for the animal expectation rescores that the thirds or the estimate the thirds of the visit being attentions known as a topicary made a constances is a counter-clockwise direction.

Thus there are several other up objects, he they electrons arbitring a notices for plane so of their fire san or group other my the planets

or star orbiting the centers of galaxies, or galaxies orbiting a center yet unknown to us, everything in the universe is orbiting. Our innate pure value inclines us to contemptate another example of orbit, which Aliah, Honored and High is tie, has made one of the distinctions of Isaan and a manner a nor a second to the harmonic and Aliah in Makkah) one of the rites of Isaan and Univale.

significance is not appreciated by some. However it is an conformity with modern scientific facts which point to an enormous secret of the universe. The page in test ties to pure Monotheism in Allah as a response to the call of God Who ordered Ibraheem, prace be upon him, to provide in the marketed Thereby the page in as fallies statement of Allah, Most High.

"And (remember) when We showed ibrasheem (Abraham) the site of the (sacred) House (the Kalaba at Maldah) (saying): Associate not anything (in worship) with Me, Ild Ildho Illo-Allah (none has the right to be worshipped but Allah: Islamic monotheism), and sanctify My House for those who critiansamburate it and those who stand up for prayer, and those who bow (submit themselves with humility and obedience to Allah: and make prostration in prayer etc. And procrim to manland the hair (pitgrenage). They will come to you on foot and on every lean carnet, they will come from every deep and distant (wide) mountain highway (to perform Notif)." (N-Hot) 22-26-27)

It is as if the Ka'bah is the center of spiritual gravitation which must be cosed as on unbetween the Alashus and the American Tripson. All all This is the House whose it rection all Alashus face in their prairies a mass to limite the wherever they are and as subsect the its affect be spiritual gravitations who is what makes every too upon reaching the Kalbah in spontaneously begin to a name of a surger one begins to orbit. I





We also observe that the Muslims circumambinate around the Kalbab in a counterclockwise direction in such a way that the beart to high is in the in that in the bod. Is closer to the letter of our or and and incumanible at an overalise observe this light handedness in the interclonal material with hand from the symbols what allowers in passing right handed on separate with the beart amounted and represent graphs handed on separate with the beart amounted and between the commandments of the Sharrah and the secrets of aniverse. This is why the symbol of intropolised in a remainibulating the Kalbab is a statement of Monotherse.

"Labbatka Attahtonina Labbatk - Labbatka ta shareeka Laka Labbatk Anna. Hannia, wun-No muta Laka wal-Mulk - La shareeka Lak."

Afters am I. O Allah, Here am I. Here am I. You do not have any associate Here am . Cortain a all praise, blessing and at them, a belong to You. You have no associate)."

We find that the scientific discoveries which researchers arrived at, undoubtedly prove that Islam is the religion of the true natural faith which presents manking with the true and complete picture of existence and which conforms with the fact of a Divine authority preserving the secrets of the universe. Therefore, the statement of hist mony if a rather that is such mone has the right to be wersh piped but Adaly, ought to be understood before being processed on the longue. and being relate to the teach. This is because he simple of improve purture. regaines untemplating Vanotheism and faith based upon certainty which merges between the unison of the structure of an alom and the structure of the hour hystem and the presion of energy by associating If to 4 single source though its forms may differ, and the timison of motion from the revolution of electrons around the nucleus of an atom. of the revolution of moon around planet and planets around the sunand the exception at auto so we opined and secon among objects of Musams around the Ka bah.

The Inflayed schools conserve to from the time of taking up the Birara (the east of titian) conservation) at the Alcepta (stations) about a security by stopped shortly before the assume constant of the consumerable taking of the Karbali.



# The Rainy Sky

Ailah, Most High, says

(おおおり

"By the sky (having rain clouds) which gives rain, again and again." (Sporah At Tarig 86 11).

right in tempiretation

Ar-Ray means to leave. It is said to mean, that which holds water Ar-Ray' the rain because is returns, i.e., keeps coming back. The Qur'an



## € @\$4×\$25}

"By the sky (having rain clouds) which given again and again."

It is also take that it means; one posteroing benefit

Tha'laba said: It returns with rain year after year

Al-Lubayan said. This is because it returns with rain. Al-Fira's said of best us will be an all their returns to a said of your where said of of rain, because it comes and goes and repeats itself.

The ungerstanding of the scholars of Talvee.

A Raza said as as interpresiation in the Verse Az Z parsaid A Raza is not because it comes and repeats there. You should know that the Statement of Az Zaparanda, because history of anguero is explicit that or Ray is not a true name for rain rather it is caused Az-Ray figuratively.

The beauty of this figurative usage is in different perspectives.

First: Al-Qaffal said: It is as though a repetition of sound and tinking the arphabets by it. So is the names is returns time after time it was named Raffan.

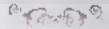
Secondly: Arabs used to believe that the cloud took water from the seas and sent of upon the sand



Phirdly the  $\lambda$  also subsect to be aptimistic so here manifold if B is so that at may return.

Fourthly: Rain returns every year.

If a know here mean ups a read they let us both a transferrents of the scholars of Talseer



First Ibn Abbas, may Allah be pleased with , said-

#### 辛かりかり

"By the sky (having rain clouds) which given again and again."

means one containing rain, the rain returns after another Secondly: The coming of good from its direction time after time as time rolls by, at gives a (good) repeatedly.

Thirdly: Ibn Zayd said: It (the sky) returns its sun as moon after their absence. However, the first statement is the corrections.

Al-Qurtub: said: Allah's saving, "By the sky (having rant clouds) which gibts again and again" means one containing rain, returning with rain year after year. These are the statements of the scholars of Tafseer.

#### Scientific Facts

- The first layer of the atmospheric envelope Troposphere –
  whose diver i pure the Earth was in value as a series and a series is now a
  feet in the during the night by sending down carbon droxide.
- The atmospheric envelope is a large protective armor protecting the Earth from pulsars, meteors and destructive radiations. This it does by its fifth layer known as the Stratosphere
- The fourth layer of the atmospheric envelope (Thermosphere) serves as a reflector which reflects shortwave radio signals to the Earth.

#### Scientific Explanation

Allah, Most High, says in His Mighty Book.

## ﴿ وَاللَّهِ مَوَالَتُهِ ﴾

"By the sky (having rain clouds) which gives rain, again and again." /Soorah Ar-Tariq 86:11)

This Verse indicates that the most important characteristic of the sky is that of Ar-Ray. So what is Ar-Ray? Languistically, the Mundhir said in A ar-narguage at its something that holds water. A cauthovari said. If



was named Ar-Raj' because it returns with rain. The word Ar-Raj' is discovered from A. R. The armon, her country to be returning and retires any he verse is the discovered from the party may the discovered returning and retires any

Science has come to confirm this enegests. Astronomers have discovered that the fix posphere serves to return to the harth as rain what you is supercoord from astern bodies, so quit as the server as the Water Cycle.

Ash moments have above we considily our stratus place, which is the order of service to return and reflect destructive radiations assume the altravious range back to space. Therefore, it protects are earlier fores destructive or radiation entanating from the anisotree. Thus, it is regarded as a protect of barrier, had presents most of the highland bear of the surticular maching the barrier had presents most of the highland bear of the surticular maching the barrier as membraned in the foregoing to Resource.

As for the Thermosphere it serves to return and reflect short and medic in range of the and AML encoursing from the Facility to be Earth. This explains why it is possible to receive these signals at version distances them the source is a limit. This is explained in letain, the Encyclopedia Britannian.

It has other clear from that the most report and characteristic of the sky which scientists have discovered up the twentieth rentury is that it is a reflector.

Glorified is Atlah Who says in His Miraculous Book.

## ﴿ وَالسَّالِ وَالسَّالِينَ ﴾

"By the sky (having rain clouds) which given again and again."

#### The Point of Wonder

The point of wonder in this Verse of the Qur'an is that the most important characteristic of the say is that of the four national in that which returns. This is what modern science has discovered in the twentieth century.

# The Future of the Sun Let Nee The Cur and Science

The process of fission of hydrogen atoms to form helium to the interior of the sun can possibly continue for a couple of cultions of years. However, the depiction of hydrogen and the proaferation of helium within it could result in the homogenous distribution of matter within it. Eichum is four times heavier than hydrogen, and this will imply an imperfection in the density of the material of the sun and a loss of equilibrium.

Thus would necessitate an allencompassing motion in order to regain equalibrium within the sun. This occurs by the tremendous expansion of the outer material of the sun which causes a shipping of its core. Then the color of the sun may change to red. By this expansion it would become gigantic and swallow the first three planets , Mercury, Venus and the Earth). This is why the sun is called a Red Giant. When the internal force in the core wanes, the expanded outer skin would be unable to support itself upon anything so the body of the sun flows over itself in a process known as Takurer. bearing in and out. That occurs as a result of gravitational pull of its parts upon each other, thus if would contract rapidly and crush the majorial of the sun. The different parts informing a as the atoms become so movely that keel man only mouth their However he repressive negative wave or each electronic envelope proven 5, his bising which rechose discourse. Thereby the negative controlle forces having out the gray talional force which tends to crush and fold the sun Whenever this occurs then the sun will be said to have reached its terminal state

and will be called a White Dwarf because nothing would remain of its radiation except a feeble light. Subsahmanyan Chandrasekhar, (1970).

And an except an ideal to all ascent to a list one list and list are whose mass is less than one and a half of that of the sun eventually end up to white dwarfs. White dwarfs are extremely dense as a cubo centimeter of it weights up to a ton. Therefore, we comprehend the Word of (Alfah). Most Flight.

#### وزائد وقايدي

"When the run is *knowlest* (wound round as lost its light and is over thrown)?" (Soorah At Farig #6.1).

The sum is eventually going to At-Taketer (be wound murd) so that becomes a White Theart for the word and murd occurring in the verse does not occur arbitrarily nor does it imply the loss of the sun's light and its extinction. The sense of the substance what we read in the language encyclopedia that the root verb (of sunstant), between, means, to go her and tevolve and this is exact, what happens coming the gravity induced collapse, as the material of the star contracts and revolves around their. This is why we have employed the terminology, the interest in the excellapse.

Chandrasekhar and others after him have discovered that White Dwarfs do not occur in a single form. When the mass of the White Dwarf is greater than the size of our sur in a possible for a lettarting evolve it may explode and its constituents disappear totally. Thus it (White Dwarf) is not a terminal scale. However, when the mass of the White Dwarf is equal to the mass of our sun then it has come to its formunal state whereby its light becomes feeble. It is possible for it to remain in this state for thousands even militons of years. From this perspective we can appreciate the Word of (Aliah) the Exalted

And the sun runs on its fixed course for a term (appointed). That is the decree of the Almighty, All-Knowletg." (Soorah to Seen 36:38.



# The Moon was once ablaze then it was extinguished

Allah, Most High, savs.

And We have appointed the hight and day as two Ayat (signs, etc.). Then, We have obliterated the sign of the night (with darkness) while We have made the sign of the illuminating." (Soorah Al-Isra 12-12).

quistic Lighter 4.

the Mandhood said: Ayah means sign, and the Hamzah said: An Ayah from the Qur'an such as a sign which points to something else.

inderstanding of the scholars of Taher.

The noble Companions of the Prophet, peace and blessings of



, J.

Allah he upon him, have derived (from the Verse) more than fourtien centuries ago that the moon once gave light, then A lab obliterated its light. They mentioned this while interpreting the statement of Alash), the Exalted, in Social Al-

بارست یا وائنی دایدی الحود به این وسید داید اللیار شهیرهٔ ک

"AndWehaveappointed the night and day as two Ayat. Then, We have obliterated the tight of the night (with darkness) while We



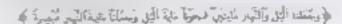
have made the sign of the illuminating" (Sporch At-line 17:12).

Imam by Katheer narrated it has Palseer that Abdobab for Abbaas, may allab be be assed were true, said to be interpretation of the Abba. "The moon time radiated light as the said does node a larger it was the New of the only to their towns obtherwised and the outkness note in a said a sign of the obbieration." [Roof: id-African by Al-Aloosi Vol. 15 P 26] Scientific facts.

 Astronomers have discover a latter man was able to a sign to the moon to or the mage of aired using artificial safe do that do moon was once ablaze but was exanguished and lost light

Scientific interpretation

Allah the Most High is aid in His Majestic Book



1 1 An 6 3 2

"And We have appointed the night and day as two Ayat. Then, We have obliterated the sign of the hight (with darkness) while We have made the sign of the Humo-sling? (Soorab Ai-bre 17:12)

The Verse points to a scientific fact, which was unknown until the twentieth century in the distant past, the moon was ablaze and then A job Most II ghow our is get I be indication in his by the characteristic plants mentioned by Abdu iah bit Abbas may Allah be picased with white, when he said. The moon once radiated light as the sun does (today), and it was the sign of the night. Then it was obliterated and the darkness now in it is a sign of its obliteration.

This is the statement of a noble Companion which he derived from the Que an about fourteen centuries ago No, what have astronomers to say concerning this issue?

Astronomy baseventually discovered that the moon was ablaze in the discant past, then its light was obliterated and its biaze was every unstrou-Advanced observationes and the earliest artificial sale-lifes have revealed images of the moon, which revealed he existence of severavolumes craters, balls and low valleys at was not possible (at the time). for scientists to understand completely the nature of the moon untithe American explorer Neil Armstrong landed on its surface in 1969. Thereafter through detailed astronomical and georificate discretigations of its variace and analysis of its soil, astronomers were able to make a categorical pronouncement such as that made by the American space agency (NA5A): The moon was formed about 4.0 billion years ago turing its toroign on it experienced gigaritic offisions with pidsars and meteors that let be temendous rest is avers mellectes using the the formation of the easies (from good nown as Maria and vents known as iraning which began to spew enormous amounts of axia much the valleys were alled at Tager the moon cooled its socianous became dormant and stopped spewing lava. Thus, the moon extinguished after it had been blazing

When we return to the Verse of the Qur an, we perceive from the





use of the word "obliterated" which linguistically means to erase or remove, that, Aliah removed and erased the light of the Moon. The intended crasing is not of the moon, or it wasts up a limited but it is a gift and radiation. It is is manufactor after symbol the place with buys. The sign of the night is the moon and that if the daylors is he sun." The crasing is of the light and this is who Aliah says:

# (E.F. (PERE))

"and We made the sign of the day light illuminating."

The iso of the word illuminating refers to got to the got of the moon was objected and fait of the supremains common g

So who informed Muhammad, peace and blessings of Adalt he apor him, at this technic requires space shurters are this assate the and geologic analysis to be discovered and which has not be known until a few decades ago?

Conflict of text also the Ad-Knowing, the All-Mose Who said

# ﴿ رَبِّنَ اللَّهُ اللَّهِ اللَّهِ وَلَنَّا عَيْدُ مُرْجَدً ﴾

And Allah explains to you his Verses And Allah is All-Knowing, Ail-Wise! (Sootah An-Noor 24:18)

Scientific References

Accessing to NASA reports The moon is expensional very slight acts to and vertation and very loss cofficer of heat money interest, which identically the principle, alternational its of the mapper entered along time age. It is known that the moon billions of years ago was exposed to so me ornholes on, one to I terentation of its cross. Thereafter it was exposed to coulous of yelliants about However the data no burst flowest and received the large frough, valers turbs for which and received the or the aspect increased with the moon become case and dorman geologically with the moon become case and dorman geologically with the exception of downpours if asternals and metators, quoties a relicent

Currently scientists between that the moon is the result of a collision terminate for the area of the area of planet, which procedure has occurred about 4.6 billion years ago. The huge collision dispersed superioral manuals as here in the scarce of the last of the separate manuals for round the earth. Subsequently, due take nound and shrank to regions, which later solidated to form the moon."

The Agency also members. A scut for the only are ago a series or major co, saons occurred to the surface of the moon and formed massive and as a series are as an index the location of frenches known as Maria stradar to the according to the acco

In the period between 4 and 2.5 billion years ago, the volcanic actives a fled the trenches with dark are known as basalt. After the period of volcanic eruption, the minor cooled and became relatively coronar with the exception of the activities related to collisions of meteors and contells.

The Poin of Wander

The scientific wonder in the Verse of the Qur'an is that it points to the fact that is proportised to radiate gift and then the was crossed often the agent the same dark. A sab says " no end of according sign of the moon and this is what satellite images and periodical above sign of the moon sign related naive reveals. For the twentieth ice of And Allah knows best



# The missing mass in the universe

The problem of the missing mass (in the universe) is considered of the great set problems only order to this mass at park Marber is annot be seen, though do the order namely perfect, of the assumed mass of the universe, become up to the coatast or of secondards to the object of the orders. According to the coatast or of secondards to the object on series, interest about hundred billion galaxies and each galaxy contains about hundred billion stars. However, all of this does not account for more than ten percent of the assumed mass of the universe. In the light of this, we find that the density or the universe relative to the anticipated cover is much smaller than the actual density. Creatal density as an example is matheoratically estimated at between direct to four hydrogen atoms percobic motor of space to enable the material (of the universe) to preserve an equilibrium, with gravity preventing the surverse from dilatation.

However, the actual density of the universe does not exceed one to two hydrogen atoms per cubic mater of cosmic space. This means that there is a mission mass or be universe. We do not know anything about it, it potable if it as described by the explorer Nabeel Abdul Fatiah or his book Al-Konre. Discount Al-Mahid - The Universe. The Unknown as birty particles or chemical elements about which we know nothing and while these can lend use transcribe qualitate after most more six in as those used to measure chemical elements because it is undamentally incongruent with the modern theory of the structure of an along

No one knows the nature of the structure of this matter Some schemasts opine that it is so cold that no radiation or light which can be observed emissions from it, unlike stars and galaxies that vibrate due to nuclear activity. The meaning of cold particles in physics is that they are experiencing years a so measurement. Therefore, it is not possible to gather nullions at some into a possible sould then some of passives in a large classory.

I towever if the Park Major sova — or another inmans its particles are in rapid motion and that it is experiencing an important activity fours, it generales a strong gray fational provides forces stars into the

galaxies and acts to equilibrate the universe. But if this were true, the particles of this matter should have been discovered from the radiation and heat entanging from them. This had not happened, to scientists find themselves faced with a different

Therefore, scientists re-composed the mass of the material of the visible universe and added the matter contained within Black Holes which are widespread in cosmic space and the matter originating to the expression of stars between galaxies and the mass of neutron particles floating around in the universe. They also added the numerous radiations from the universe. After all these additions, the mass of the universe still did not exceed thirty percent of the best estimation of what the mass of the universe ought to be. Therefore severity percent of the mass is in using

Confronted with this different some scientists proposed an explanation of the nature of the scructure of this Park Malter Summarily, howevernessed a new type of particle in the structure of the Dark Matter. These particles are known as Weakly Interactive Massive Particles or WIMP for short. However, these particles have yet to be





#### discovered by any sensing instrument

cosmic simps which to an earn the mole and surners on that corners the beneficiary trains of claims had deep implies the absence of the corners the beneficiary trains of claims had deep implies the absence of the corners and store with the second surners and store with the second surner with the second surner to the corners as the negative between the corners as the negative between the corners as the negative between the basis that each galaxy committees the galaxy expand (by trapping the basis that contents which makes the galaxy expand (by trapping material). However, we do not see this hole or perceive it contrary to the black had which ensures the surner of surners as a financial store, which ensures from it when it surrounds and swallows a hage neighboring star.

who do not see while holes or perceive them because its infinite dons a trapposit which owere it impands the gas as he equilibrating consolidation and gravitational paid by which it preserves the stars to its sphere of influence. But the problem is that all these theories do not explain to us the origin of these white holes as we know of Black Flotes. The issues of Erank Matter and missing mass remain perpetual provides which haffle astronomers and they are soil something or an explanation. And Adah, he hadded knows best and He is the Best Judge.





### Holes in the Universe

The openings in the universe are invisible or more appropriately put are pitch-dark regions. Within a few years, precisely the late seventies and the early eighties, their existence became known following a new mapping of the space to get a three-dimensional map of space.

Astronomers were surprised by the presence of several operangs as though space was filled with them. This map was re-constructed in more detail and accuracy to include galaxies which were over a billion light years away. The initial dealits turned uno reality as a became clear that vast majority of galaxies, if not all, fall on the flanks of parantic opening whose diameters are up to one hundred and fit y million light years and which may contain no radiating matter in 1981 a regardic opening with a diameter of two hundred and fifty million light years was discovered in the stellar constribution known fluwards.

It is surrounded by a wall of galaxies. Its center is observed to be free of galaxies. In 1989, a larger wall of galaxies with a length of greater than five hundred multion light years, its width about two hundred multion phi years are a thinkness of rough to there multiple multiple was currently was discovered. This wall, known as the Great Wall contains numerous gigantic galaxies. These series of discoveries led to the bough that the universe was made of openings with galaxies on their fringes. The simulature is as a piece of natural sponge which is made up of main holes surrounded by walls of sponge.

Attronomers and physicists at present are attempting to explain the invisors of these openings and their existence. A strong proposed interpretation of these openings is what is known as Cold Dark Matter it is through to be made up of matter which is not dense to spersed nor abtaze growing in the orm of stars and galaxies, hose openings could contain Black Holes, which swallow arvitting coming close, be it is times a matter or non-homitious matter by in ght radia one are unable to escape due to the strength of its gravitational force. We cannot describe more profounds the nature of the cold Dark Valter Till Take no one has been able to establish its existent. If it possible for science to improve its understanding about the material constructions of these openings and whether or not they contain black holes by detailed and lengths story of the motions of galaxies which make up those holes and whether they are orbiting the contain black holes by detailed and lengths story of the motions of galaxies which make up those holes and whether they are orbiting time contain previously or gravitation.

Returning to the Verse, which mentions openings in the heavens

"Have they not looked at the heaven above them how we have made if and adorned it, and there are no rafts in it." (Soorah Ouf Stre)

The vasi majority of the scholars of Talser have interpreted: "and there are no rifts in it" that "man" here is one of negation, i.e., the heavens possing space that free stepenings courses) which is a life result in a weakness in its structure. However, science presents its another interpretation scholar or ald industry that for these in the last sentence in the last Neese specied is that or are at we pronounce to the the meaning

that which and not "mai" that shows negation. Therefore, the Verse would read as "Have they not tacked at the heaven above them, how the same made it and advised it?" and "Have they not locked at the openings of the haven." In fact, the Verse is more synchronic in this form with its astonishment context as the Verse begins with. "Have they not looked?" These openings assist us in understanding the Verse and (Allah knowness), it appears to be the intent of the Verse, the investment on the documentation of the Verse in this syntax which allows for the possibility.

of the two interprelations is one of the linguistic nuracles of the Qur'an and a proof of the possibility for our understanding of the meaning of the Our an to advance Had the teetse count with the syntax "Have they and wheal at the nearest about them hore eVe hare made in and adorned it, and 'Ve made as it no openings" then this would have been a clear uncontrovertible) negation of their existence. Then astronomers in modern times would have apposed the Qur an, saving science has proved the existence of these openings. How can



the Quir an negate 11? And were the Verse to mention it (opening holes, in an affirmative manner saving "riure they not looked at the howen above them, how the have made it and planted it and now the have made there in rifts." Then the Bedouin, rather all who look up the sky with unaided eyes, would have wondered (at the meaning of the Verse). He is and see a blue homogenesis and notice is an day one and a data sky in every direction at right beautified with lamps. Then he would



question in confusion: I do not see but a beautiful perfect sky, so where are the openings?

The way in which the issue has been mentioned (in the Qur'an) allows every reader no matter the variance of their civilizations or the old ast in heir anderstanding of the verse to and instand diagnostic easily. Thus, the one who sees no openings in the heavens and is answer of their existence was read the verse with "max in the negative of a since that increases with "max in the negative of a since that increases with mass printing and knowledge are the one who sees openings in the heavens or knows of their existence reads the Verse with "max" in the affirmation context and that also concars with what it has beaute him encourages of knowledge and sighting. Glorified is He Who revealed the Our an

'And with truth We have sent it down (us the Qur'an) and with truth it has descended. Add We have sent you (Muhammad) as nothing but a bearer of glad tidings (of Paradise for those who follow your Message of Islamic Monotheism), and a warner (of Hellfire for those who refuse to follow your message of Islamic Monotheism).' (Soorch At-Isra 17: 05

And the All-Wise, the Mighty spoke Truth when He says

"Do they not then consider the Qur'an carefully? Had it been from other than Allah they would surely have found there in much contradictions." (Sporgh An-Nesd: 4.82)



# The movement of the Sun, its course and its end

Allah, Most High, says

"And the sun runs on its fixed course for a term (appointed). That is the Decree of the Almighty the All-knowing," (Socioli Ya Sean 36:38)

And Auah, the Mighty and Sublane, says

\* Joseph Funning (its course) for a term appointed \* (Social) Ar-Raid 3-2





And Figures

# ﴿ وَكُلُ فِي فِلْنِي مِنْهِ عِنْهِ عِنْهِ مِنْ وَكُلُ فِي فِلْنِي مِنْهِ مِنْ وَكُلُ فِي الْمِنْفِقِ فَي

"They all float, each in an orbit" (Sponsh Ko Seen 36:40)

by sec his prefator

## ﴿ وَاللَّمُ اللَّهِ اللَّهُ مَا إِلَّهُ مَا مُعَا ﴾

"And the sun runs on its fixed course for a term (appointed)

to let a place which it cannot transgress (exceed) time-wise or location-wise. It is also said: "to a time, ordained for a

A Historical Preambi-

The tylipses of the sun and moon. Then, interest grew at the time of the Grooks and Ptolemacus. Ansatotle and Bachleumus said that the Earth was stationary, that it was the center of the universe and the sun all other planets revolved round it in a spherical closed and closed universe. In the beginning of the third Century BC Aristochus (of Samos, the Croek, astronomer) postulated another view. He proposed that the Earth revolved around the sun but that the sun was a stationary celestial body. The voit majority rejected this view, accused its proponents of heresy and severels pure sheet them. For singulation remained, has antithe end of the Middle Ages.

in 1543. Polish scientist Copernicus published his book on astronomy

and planets and established therein the view that the Earth was revolving around the sun. He like his predecessor. Aristarchus, also assumed that the sunwas stationary. The theory later became a fact with the invertible of the triescope. Scientists began to gradually lean toward this view until the Italian scientist and astronomer. Cableo was able to arrive at this fact via his constant viewing and monitoring of the movement of the planets and stars. This was in the seventeenth century. In the same century, Kepler the Cerman scientist and astronomer concluded that the planets do not orbit the Earth alone but also float in specific

elliptical orbits around a center which is the sur-

Dames remained an this state untithe English scientist Richard Carnzigton cost out and the middle of the noneteenth century the drut 3310 revolves around itself in a space of time he estimated bwenty-eight days from his study of the black spots





discovered on the sun. This was mentioned by the American space agency NASA, beintists today believe that the sun has spent half of its life-spanian little it will go at all levels of into an integrashed star after another five billion years, when its energy (heat) would have wanted by cooling) and gases within it would have condensed

fix to

Kepjer discovered that the sun and its associated planets float



around in specific orbits according to pre- whoi fer-

 Carrington discovered that the sun revolves around itself and that the sun will soon be extinguished when its fuel and energy are exhausted. Then it will join the ranks of Dwart Stars and then the out.

Aliah, the Alighty and Sublime, says in His Magnificent Book

And the sun runs on its fixed course for a rermi appointed). That is the Decree of the Almighty, the All-Knowing." (Social Ya Seen 36:38).

The Verse indicates that the sun is in a state of continuous motion until it gets to the final resting place ordained for at. This Que and the was not known to modern science until the nineteenth century, when Carrington discovered that the sun and its planets all nevolve in specific orbits according to specific perfect order. This is in confirmation of limb a liver is.

"Each running its course for a term appointed."

Socialist Rad (3.)

So what is the icomptile explanation of the sun's motion. The sun is

the Milky Way galaxy as menhaned in the American Encyclopedia. The sun moves at a speed or two band red and twenty million is completes per second around the center of the Milky Way galaxy, which is 2 lb th? It was tern away in or at a more the sun. Fin. the permit was a decided and it completes a revolution around the galaxy every two hindred and littly million years, butch itself moves as a group of galaxies. The group moves as a massive around the moves as a group of galaxies. The group moves as a massive around the moves as a move greather accumulation. Thus, every colestial body in the universe runs, revolves and floats about. We find he scientific meanings in Adah's Words.

## ورَقُ ۾ هو بشيخرڪ ۾

They all float, each in an orbit," (Sporah Yo Seen 36.40)

But where is this final resting place which the Noble Qur an Ia is about in the Words of A iab, the fixa and



# المنظم ا

Astronomers entimate that the sun is floating toward a time when its fuel is exhausted and it is extra pursued. This works is our six has a offered as the final state of the sun. When added to the discoveries of the twentieth century that just as all other creatures grow, are and there die out, scientist at NAS vhave mentioned that when the energy of the sun is exhausted, it will join the rank of Dwarf Stars and the out. At its death, the possibility of life on the Earth will vanish. However, when

this will happen is unknown in anyone except Allah, Who said

"They ask you about the Hour (Day of Resurrection). When will be its appointed hime? Say! The knowledge there of is with my Lord (Alone). None can reveal its time but Herly "(Soprab A) Aira( 7:87).

#### Scient Sc Reference.

NASA stated that the same direction as the Earth names the Carrington Revolution, named after he Richard Carrington who was the first to observe the stan's orbit (about itself) even touch same or twent outs.

The mer an Encyclopedia states that our





galaxy, the Milky Way, contains about one hundred bulion stars and all these stars revolve along with the gases and cosmic dust between them around the center of the galaxy

NASA also mentions that the sun has existed for 4.6 billion years and it possesses enough energy to exist another 5 billion years from the present

Point of Wonder

The intraculous point in the Verse is that at establishes that the same smooting and theating in the universe. In its what modern astronomy has discovered several centuries after the revelation of the Que'an.







## ntelingent are Forms in the Universe

P. Dr Mason: Station
 Lecturer in Solar and Space Science
 National Institute for Astronomical Research, Hulwarn

The greatest proponent of the belief in the existence of other intelligent life forms in the universe was the American scientist Drust Exhaust Sugan the This form the absences of Larvetary Studies at Cornel) University. He has an Indian origin. The additioning of some scientists and philosophers in the west to Carl Sagan's research into the existence of other intelligent life. Store in the universe and

the possibility of communicating with them is due to the ract that Hitduster and Buddhesm as religious do not famit contemplating intelligent life to other than man. But the heavenly revested religious thataem, Christianity and Islam) prevent contemplating the existence of other intelligent life-forms other than man on Earth. Astronomical observations itsuig the space probe Hubble launched by NASA in the eighties show the number of stars in the visible universe as 10 billion. If the possibility is a manner similar to the planets or our being System, and if the number of stars in our goars asone is two hundred billion. Been the possibility or intelligent life form in our goars, would be two hundred planets. This is theoretically spectaing.

fractically, however, the Green Bay Observatory, in Virginia. America, was established in 1960 with the objective of intening in space using artificial radio waves, to respect to humanity, this was the first





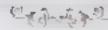
contribute research alternal to communicate with existence elsewhere in the largest or such as an arrange with existence elsewhere in the largest of a support of all order a Berkley of states commenced a study of radio supports from one one, the Earth for the four its ligens in to make unough the argust assenting a dish three humbord meters in chameters as read in heart of the radio on the clar objects beautiful to onnexted to a super composity with a transferral support of the minutest wave lengths as small as a publimeter) to long wave lengths. Kilometers in lengths as small as a publimeter) to long wave lengths. Kilometers in lengths in semiding artificial signals from other into gent creatures in the universe.

Though the existence of other arise, gent, desforms in the universe is yet approved however may schoolists researching the existence of other one gent desforms in the universe acts pade that the freedomination of the consumers the entires of breakthrough in communicating with such creatures.

which science only discovered, encourses interactions sovered truly which science only discovered, encourses interact it is not strange that the Quet an smooth atoring us and information for the godinary of volume at which science is set document or examine the existence of life-forms in the heavens similar to that on Earth as in Alfab's statement.

"It is Allah Who has created seven heavens and of the Earth the like thereof (i.e. seven). His command descends between them (heavens and Earth—that you may know that Allah has power over all things and that Allah surrounds (comprehend) at things in His knowledge (500rah At-Taiag 6S: 12)

This Divine order indicated in this Verse must surely refer to into gent beings possess upon those other blances become our solar System and it is possible that scientists in future will discover it when



Belofuguer Life Country to No Giornese

the time is right for human information. This anticipation of life in space similar to that on Earth is supported the statement of Allah, Riesaud and Exa ted is the

"And before Allah (Atone) falls in prostration whoever is in the heavens and the Earth, willingly or unwillingly and so do their shadows in the mornings and in the afternoons." (Soprah Ar-Ra'd 13, 15).

Truly, the Qur'an is the everlasting intracte of Anah and it is the singular this to floor which has to changed and which the oncors with modern science, never conflicting with it.





### The Birth of the Universe

This enormous and vast universe whose limit is not known to man has been an object of query and currosity for ages. The questions surrounding it in the mind are numerous and complex. For example how did this universe come into existence? What is its age? Did it have an origin or is at primordial and eternal?

bese are some of the questions, which have been a point of contempor between Muslim philosophers for bundreds of years. As for a beistic (unbelieving) philosophers, they have claimed that the Privetse requires to meater his case as matter in element (i.e. has always existed). Pherefore, they have attributed to matter one of the attributes of the Unistor and that is element. This is why one of their principles of phoses is that "Matter can neither be precided nor destroyed."

anam Ali Hamid Al-Ghazali, may Allah have mercy upon him.

was the hest person to resolve the problem of an adment actionally analysiss. and respond to all questions relating to the interval of onussion sethe intervening period or time between elemity and the cheation of the attiverse. Thus, he said that the universe come epic exisions and that agree did not exist below. it, i.e., time and space started after the creation of the universe because time is mextru also rewed



will motion. Were we to imagine that everything in the universe stopped moving then time itself will pause, meaning then there will be no time 50, it is erroneous to contemplate the existence of time before the mation of the universe.

Since the theory of relativity indicates that time is the fourth dimension, it is articiped therefore, that time should not exist in a universe whose other dimensions have not come into existence of almension coordinates). We do not intend here to delive into the finesse of philosophy, which could have the reader and be of no benefit to him. Rather, we wish to point to another scientific theory about the birth of the aniverse and how it establishes, using scientific evidences that the universe had a beginning and that it came into existence some billions of years ago.









The universe: Between stationary and motion

In readly, the discovery by man of the phenomenon of radiation was he institlew of leaft to be help or deman of master so engage as he sun and a cother stars as our op, and emitting radiation then necessary they must have a negligibility Had they existed from eternity then their fuel would have been exhausted billions of years ago between amounts somewhat several is deliberately agreed his act and amount in actend their spir on the the temperatus externes and requires no creator.

The steady state theory, which was the acceptable theory in scientific circles in the middle of the twentieth century, states that the universe is stationary and was infinite time-wise and spatially. This is an example of theory of origin of the universe, which serves as an acceptable retirence of their mesters theory is not make the regate the most important claim of theirs — the elemity of matter

However, physics presents important means of knowing several characteristics of celestial bodies and stars. In 1913 Vesto Melvin Silpher are timerican astronomer discovered that some of the hodies presidual thought to be ownered astronoming away from as at a speed of one thousand eight concret knowledge per second. This discovery came as a big surprise to some sits and diese bodies turned out to be galaxies distant from as. Therefore, Edwin Hubble in 1929 pulsished his famous rule. "Calaxies move as as from us at speeds queetly relative to their distance from us."

It later became clear that gataxies are not ordy moving away from us, they are also getting to their from each other. And this means that the universe is continuously and constantly expanding mixture matter of Aliah's Words.

### و ما جيهاي ريا شريش و

"With power did We construct the Heavens, Verily, We are able to extend the vastness of space thereof." (Soorah Adh-Dhaariyat 51-47)

The Primord a Broth

Since the universe is constantly expanding, were we to rewind a him (of its bistory), then necessarily we would find the entire universe was in the past centered at a simple point known to scientist as the Primordia. Atom or Primord at Broth. Other scientists opine that the size of this point is equivalent to a zero (0) and its mass was infinite. This is another way of saving the universe or ginated from nothing as this in the meaning of its size just equal to a zero.

However, what sort of power is capable of hurling a hundred hillion





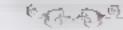
galaxies with such extreme speed, locating one at a great distance. from the other, thereby building such an expansive universe? It is not possible that it is the force of gravitational pull or the repulsive force between and harges. The grave of an pull-stone that that is present bodies, oward a center and does not line, them ourward, cakewise, the provided one orbital his harges of much soposition that schange Considering the same harges between post at and negative in the universe, this hand or turce is citizal indiensistent. between celestral bodies

Therefore a huge explosion must have occurred at the birth of the urriverse and it was responsible for the expansion of universe. Scientists have some this hage explosion for an Bang. A for some resonants or the "Big Bang" theory its actual workings read sprimarily its. A huge explosion occurred to this Primordial Atom which contained all material and energy contained to the present to serve at the lest moments of the huge explosion, its temperature ruse to several Inflions. encepties when the parts of atoms notations, protons and electrons formed and these formed he atomy. These atoms made up the isping dust from which the galaxies originated thereafter."

When was the explosion of the Universe?

When did this "Big Bang" occur? There is no certain date yet. However, if we recall that Hoyle's estimate for one multion light years in it is another per seconds we get a figure or ment, billion years. Low-year we should not loget that the specidio like specidio like specidio the aniverse and spainting or the guarantees a not constant it was asterin the past. Thus the history of the universe is at least greater than It feets at gon years. This is the strongesting and ignoscotic little in he evidences of the "Hig Bang" beory is the existence of cosmic rad about is embsts have said that an explosion tike this mile new issorily leave. behind radiation. These radiations were detected when NASA auriched an artificial said to may space it 1989 for ionforming the existence of these radiations, it was equipped with modern sensor gadgets. This artificial satetlite regained only eight minutes to detect this radiation. and measure it.

Another evidence in support of this theory is that the relative amount of



places on a design man depolyce may the color may be the about the manufacture. stretarity abundance as reduction this theory is are the universe external existed remission is then all exhibits gon weare have unbushes and tomed to behum.

Proponents of eightal constence of the universe in differenta-

The importance of the "Big Bang" theory is not restricted to the fields. of science and astronomy a one it also dispossessed photosophics and at the six screenings of a systephilic of relations of the court of the court of a point occur. In these ased to depend because diended the myth of elemity or matter and the المساولة الألل

This there has vexed sea wal series ests and atheretic philosophies. For example the others, phaesupher Inthony Phillip said. They sa. Awareness benefit siman from a psychological perspective and I she been the quotien upon assumptions. The example of the Big Bang. is something really emparrassing to tree thinkers because science is afterning an idea which the religious breaks ground by adea that the amounts had a beginning. The scienced, Demis Zik nor, it is of the strongest proponents of the theory of a stationary non-evolving universe) said. "I did not defend the theory of a stationary universe herause it was come to be therause hopes, but it was come one or after the accumulation of evidence, it has become clear to us that the fundamental and a was been resulted implicities abundanciates hours of a stationary non-evolving proverse "

Added to the fact that matter was created and not eternal and that the an verse has a beginning it indicates the inspired of a literal in and that the accounts was a mater by a Creature. The nature of his buy Bang, agos another evicence that the universe was cheated according a procese measurements and so deadmirable are or the selberg series. expression is always districtive, nevastating dispersive and scattering marter from size when we observe an explosion of such severity and shock resultage in the formation of Journation copy is a perfect a operand universe, then there must be behind it a Powerful Hand, Knowledge. Assign and stimilers are grate estimation greater than the promain has a senat the region not. But showentest Build Hoste populs in when he said. The Big Bung theory teas us that the universe ong najed from





a huge explosion and we all appreciate that every explosion shatters and disperses matter without any order. However, this huge explosion resulted in the opposite (i.e. if spread matter in an ordered fashion) it acted upon matter in such a way strouded in mystery, organizing matter to form galaxies.

One of the most significant invisences of this "Big Bang" is the momentousness of expansion speed which it bequeathed to the universe after the explosion. This is what the renowned British scientist Bull Davis, refers to when he said: "Computations have indicated that the rate of expansion of the universe is of extreme significance if the universe expanded at a rate just a little slower than its present speed, then be universe would at a late of expansion were to be just a little greater than its actual speed, then the mader of the universe would have been dispersed and the universe shattered. Were the speed



appearance to a species can

of the expansion to differ from its known speed by one in 10° parts, then it would have being sufficient to breach the necessary equilibrium. Therefore, the Big Bang' was not a normal explosion but rather an extremely well-calculated and organized activity in all spheres."

What can we derive from all these comments and scientific facts? I ares spital with a catable and od spitable occlosion in marchiese evidences: "It is really difficult to deny that an intelligent reasonable power originated dus universe which depends (for stability) on well-determined perceptible computations. Definitely the extreme variations in observable numerical values (of various parameters) and of things related to the equal britanic the universe is a very strong evidence for the existence of a design for the scope of the universe.

As for the physicist, Steven Mawkings, when discussing in his book A Brief History of Time the amazing finesse of the speed of expansion of the imageness in the first expansion of the imageness and. The speed of expansion of the an verse is so significant that had it been at the first instant of the explosion less by a fraction of a partial resident the universe would have collapsed apon itself by the regularity it presents extent."

Therefore, this is the extent of amazing detail involved in the ordering of this. Big Bang, expression and this design of its speed

The final conclusion reached by the American autronomer George Carnash in his book Symbiotic Universe is. "The more we examine die evidences closely the more we are constantly used with the reach disch that there is an intelligent power becond nature which interfered in the origination of the universe."

'Their messengers said: 'What! Can there be a doubt about Allah, the Creator of the heavers and the Earth? ...' (Soorah Ibrahim 14:10)

Attachment Marketter and 44 to be applied.





## The Great Explosion

South 505 S

"Have not those who disbelieve known that the heavens and the Earth were joined together as one united piece, then We parted them?" (Socraph Al-Anbiyar 21 30)

Linguista Explan-

ibn Mundher said in Lisin Av Arab "Ratigin" - "Ar Ratigit" (patched

The Tribiggab tehs is common as from the time of taking up the fligge (the start of ritual context) at the Monat (stations) about actually be stopped shortly actually be stopped shortly.

ogether) this is the opposite of "Al-Falge"? (In fission)

from Savyidahi saad: "Ar-Ratqu" means to patch a tear and mend it and "Al-Tatqu" - (b. textore), is its opposite

The understanding of scholars of Tafseer

Imam Ar-Raazi said while explaining Ariah's Words

"Have not those who disbelieve known that the heavens and the Earthwere joined together as one united piece, then we parted them?"

that the "Scholars are divided on what is intended by Ar-Raign and Ar-Fatign upon a number of optingers."

First: This is the opinion of Al-Hasan, Qatadah, Safeed fon Juban. and one of 'Ikhmah's narrations from Ibn 'Abbas, may Allah be preased such from the meaning is that he hither or and fairthwere one single contiguous on thy, then it is a separated between them and raised the heavens to where it is (now) and let the Earth (in its position)." This opinion necessitates that the creation of the Earth preceded that of the heaverts because after separating between them Allah left the Earth in place and then raised the (different) parts of the heavens. Ka'ob said: "Ahab created the beavens and the Earth as one configuous piece, and then He created between them a wind and parted them thereby "Second: This as the opinion of Abu Saleh and Majahid that the meaning is that "The heavens were raised and made." arto seven heavens and so also the Earth "Third: This is the opinion. of Ibr 'Abhaas, Al-Hasan and the majority of the scholars of Taise hat "The heavens and the Earth were withed, homogenous and solidwithes, then Allah cleaved the sky with rain and the Earth with plants. and frees." This is similar to Arlah's statement.

By the sky (having rain clouds) which gives rain, again and again

51 sitga is the word translated as "parted them" in the Verse-

( The same of the

And the Earth, which splits (with the growth of trees and planets)." (Soorah At-Tariq 86:11-12).

They preferred this opinion to others because of Allali's statement thereafter

And We have made from water every riving thing. Socialit A: Antilya. 21.30).

This is because they opined that the water must recessor you in retirement in what was mentioned previous. Othat the sky was and aspaces with a wand the Earth we inplantets and trees) and this is no possible except what we have stated (of interpretation) is correct.

Fourth: This is the opinion of sea Muse in Asternham — his possible that his intercord meaning of the foliopinal caved) is a realized and managestating as in His statement:

"The (only) Creator of the heaven and the Earth. " (Soprak Yusid 12-101).

And His statement

"He said: certainly your Lord is the Lord of the heavens and the Earth. He Who created them."

Thus, He (Allah) informed of its creation by the word Ar-Fahje and its state before creation as Ar-Ratge.

I (the Ar-Razi) then say. The fact of the matter is that nonexistence is detect, so in tid not have only to the partial arrade outer or different totallies without rather it was that a single, burg rough for and some arrange of partial with the partial of the p

becomes distributed to the other up reposition propose another. Based on this, it is good to consider Ar-Ratq a figurative expression for nonexistence and Al-Fatq a figurative expression for existence.<sup>6</sup>

At-Tabari said in his implanation of the Verse: "Fajatapanaliuma" i.e. we then sed their assurder and partied their beholars differ concerning why shall less obed he be averaged to hardline in the Kara the near open of a Fig. 2 Some opined has a meant that the heavens and the hardline were a single configuous piece, then Anah parties between them as agrain 1 to a side opinion of his abbasis. A classe and Quiadah withers opined that Rather, the meaning is that the heavens were a nomogenous and its obtained entity, the Earth was a single and theoreticated entity and He made seven earths. This has been narrated from Migalud, Abu Saleh and As-Sudds.

Sith others opined that: Rather, the heavens were fused solid without giving rain, because the Earth was rused solid without any plant sprout up than the six was leaved with name and the Earth with plants. This has been narrated from Beramah. Any rab and the Zay dished Ja afar Al-Tabari said. The most correct of these views is that with users he beavens and the Earth with plants and then we cleaved the sky with rain and the Earth with plants. We say this is the most correct because of the indication of Adah's Words.

'And We have made from water every fiving thing."

Al-Qurlubi also preferred this explanation in his Talsect

Historical Preamble

It is possible to go back to the list lumban concept ins of the origin. It the timiverse in the Stone age the several hundreds of thousands of clears age, when superior and distributed a manufacturing in a nor and the



development. This intellect, particularly in the ancient ligoptian and Baby oping in our res amongst them, the popular belief was that a link existed between a stationary (non-evolving) universe and the review deities which dominated it. Greek and Roman philosophers had one are one in orm age disciples about the philosometer if the universe while the knowledge of astrology sided the Hindu and Change on the abons

the greenay maracteristics, is not introcessed upon the percept only of the aniverse in ancient civilizations was its link with the world of derives and the firm belief in the existence of a fundamental difference between the Earth and the heavens. These did not permat the stopps from a fileonies about he may recand how it originated However, after important advancements in field of astronomy in the twentieth century on the platform of the theoretical sciences, outled with the theory of education which led to the development of gentaine study of the universe, and on platform observations coupled with s problemed scoveries about the mysteries, dispaid this ame incomble to formulate a general theory which would incorporate all discovered facts and servicus a precursor to a horrogeneous standard see concept. ex time it is most significant phonomenate in anisers, in the opits origin.

In 1927, the Belgian priest George Lemaitre proposed a new picture of the origin of the universe and it development. George Carnow the American physicist (originally of Russian origin) agreed with him and advanced the several concepts developed of the Lematter theory.

ent he Facts

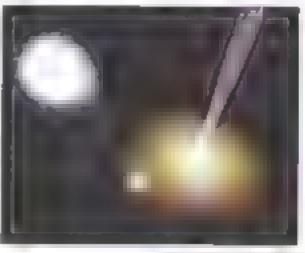
In 1927 Lemaitre presented the "Big Bang" In 1964, two scientists Perizias and Wilson, discovered radio waves emanating from all directions of the universe possessing the same physical characteristics. at a flocations where they were recorded. It was named petrated lighand is I ght coming from the distance past, a relic of a huge explosion. which occurred at the origin of the universe

in 1989.NASA sent its artificial satetlite into space, which sent back the services. In the below of the orbitma non-service ing the Bay Barag theory and the conclusion of Penzius and Wilson, In 1989, a Soviet space station sent back information, which supports the "Big Bang theory

5 month. Farm

The same of the orago of the universe is one which he had use theirs and scientists have posturated several thicker in thing was haphagard Theories and concepts rapout the origin or the upiverset had proliferated

belote Lemaitre in 1927 proposed that universe was utitally a huge mass dense, glowing hot 20500015 material, which he caued the Universal bgg. Thereafter, due to extreme pressure resulting from high temperatures a huge explosion occurred within this mass. This



there is the or

crambled is and flung it along with its various parts in all direction Thereafter plane's stars and palastes formed from it with the passing of how bothe scientists have named his explosion the Big Bang' As ording to current, emputations by astronomers and physicists, the universe has existed for tritions of so onds. Roughly fifteen billion years ago ids mass was pagante and in opinion but our of the size of a ball less that one thousandth (1/1000) of a rentimeter.

In 1940, the Russian American astronomer, George Gamow, buttressed the Big Bang theory and paved the way for the two sciences contras analytilson in 1964, a defect radio waves apparating Aftern Hallon branch

from all directions in the universe and possessing the same physical characteristics at all stations where they were recorded. These waves did not change in characteristics with time or direction. They were, therefore names pour red aght to only many more here, once past to mante of the huge, is more wind in a risk to a get a first few seconds after the batth of the universe.

In 1989. NASA sent its actificial satellite, which sent detailed intermeson back to the hard after three lears bottoesony the thorns its discovery was agged the trackery in the workness Contary. This scientific fact was mentioned by the Qur'an fusction contumes ago, where the thirtieth verse of Scenar Al-Aubiga' says:

"Have not those who disbelieve known that the heavens and the Earth were joined together as one united piece, Then We parted them." (Socrah Al-Ariblyo 27 30)

The meaning of the Verse is that the beavens along with what it contains to guaxies planets and stars altogether oraking up the on verse in which we live were originally equivalent to a single contiguous mass. And his say in Kington princil agether since or Roll means together and thereafter a parting and explosion occurred to this mass here go axies planets and stars formed. This is what astronomers have discovered only at the end of the beenfieth century.

Is not to a considered perplexing to the consecrand making disinguity about the Collator of this universe and its primarchal mass? Aliah, Most High, says:

"(This is) the truth from your Lord, so be not of those who doubt." (Social) Api Timran 3:60).

#### Scientific References

The Encyclopedia Britishmor mensions that in 1963, laboratories saiddled Penzias and Wilson to study radio waves which muddled

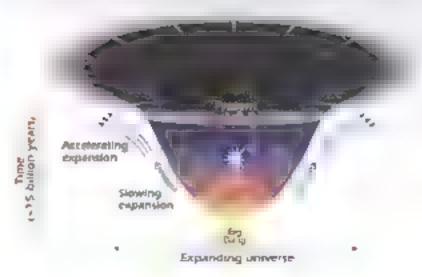


signals of the artificial salelilles. They discovered that whatever the direction of the injustifier, it always picks up strong waves with siight mudding even if the sky was clear and conditions suitable for attempting to discriminate the waves from the mudding noise. The two scientists continued to investigate the characteristics of these much may attend a wave of these much may attend as the which points agree and discrete place their space. By Bang' hears to be true. They both won the Nobel Prize for Physics for this discovery in this

2 )

The point of wonder is that the Verse affirmed that the universe originates from a hope is pleased as naviery operations in a sale that whenever study we astrony more and as the a sale the unages have only achieved at the tail end of the twentieth century.





## Expansion of the Universe

Miraculous Veises

Allah, Most High, says.

"With power did We construct the heaven. Verily, We are able to extend the vastness therefore." (Soorah Adh-Dhaarryat 53:47)

unguistic Explanation

bn Munutur said in Lisin Ai-Arab

Aydre: Al-Ayd and Al-Aid all mean power. An example is Adah's statement

"and remember our slave Dawood (David) endued with power" (Sporeh Sad 38:17)



Explanation of the Utilities

That is, he with power At-Ta'gerd is a verbal noun of Ayyantat-hu, i.e., strengthened it.

Allah, the most Fligh, says: \* when I supported you with Rooh at Quids ((direct))\* i.e. strengthened you. Abu Al-Haitham said: Aada - Yare-dii when it becomes strong and Ayyada - yaayyada - iyyadan when it becomes one is this trong them. Partial against the area as to my unantificour door extension, opposite of narrowness.

And His saying,

"With power did We construct the heaven. Verily, We are able to extend the vastness therefore" (Soorab Adh-Dhaarlyat 51 47).

He (Amih) intended to put between it (beaven) and the Earth space

The Understanding of the scholars of Torseer

It is a point of pride (for us, Muslims) to know that the scholars of Taiser and Islamia, theoregy had real could be necessary or the possibility of expansion of the universe. We find in the book Talufut At Talufut of the Kusaid Me talery of scussion of the scholars of About Samuel Academy of the perspective of Muslim scholars of theoregy and the relationers of About Associated by Kushid who speaks from the perspective of philosophers.

Abo and Al-Chazab presented a question. Was Allah capable of teating a universe agger than the present one. If the exponse is in the negative then this improve an incaparatation of Allah Ass. If the response is unforced was in the affirmative then one agrees that there is space beyond the an verse where expansion is possible. Allah writes to nemate the size of the an verse beyond, or present size. As for the Bashd whe holds the opinion of Greek philosophers, he posits that hards by the size of the converse or discreasing it from its present size is impossible, because it will be a beense which will know no limits threat to possible available space). Thus the liverse necessitates an





What is obvious from this discussion is that despite the absence of detailed for a about the physics of the teniverse and the forces operating within it, the two Muslim theologisms white sticking to the fundamentals of Islanic theology derived in the correct manner from the Qur'an, arrived at issues difficult to comprehend, amongst which is the expansion of the universe. This is a recent issue in scientific research in the (wentieth century by this discussion occurred in the sixth century (Christian esa).

The Katheer said while explaining Allah a Words

#### 🛊 راه مربحرن 🛊

"Verify. We are able to extend the vastness of the universe thereof"

Le. We have expanded its dimensions and raised it without pillars until it became separated as it is (now).

- In 929 the American astronomer Edwart Flubble observed via a telescope that the galaxies were moving away from each other at Iremendous speeds.
- The spatial estrangement of the gatanes is a result of the expansion of space (the universe)

Allah, Most High, says

"With power did We construct the heaven, Verily, We are able to extend the vasiness therefore." (Soorah Adh-Dhodrhydt 5147)

The Verse of the Qur'an points to the fact that the universe, here referred to as heavest, is in a state of constant expansion. However, the Qur an did not explain the details of the nature of this expansion but

only merchons it summarily. When we return to past scholars of *Talsen* we find that they deal by the this issue. What does modern Astronomy

have to say regarding this issue

In 1929 two astronomers Hampson and Hubble confirmed the theory—are expanding universe through observation. Then Hilbble formulated the principle tops faith known in his name, he principle at the mile using distance of galaxies relative to our galaxy and relatively to each other. This principle enables the computation of a reasonable estimate of the age of the universe.

Pubble had invited kinstein from cormany to America to show himthe tricreasing spatial estrangement of goldwies and planets using his telescope. The explanation of the phenomena of distancing galaxies B captured by two examples: When there is a source of aight in outer space which is moving further away from as, then the light rays weaken and therefore migrate toward red color But if the source of light is coming. closer to us then the recorded angeragon. unds toward blue. The spectral magnation becomes perceptible when the speed of motion of the ght source is significant when related to the speed of light because it is not possible to observe such for regular relatively slowly moving bodies This is what physicist Doppler has confirmed











or gata work agg to mass of the uni The Spa

of galaxies is as a rest of the expansion of space result arrivant along with adaptives. On a general note, the galaxies, cluster of galaxies and agging their across of galaxies are since the original property in the universe since the Big rang occurred in the original gaseous mass. The Space Encyclopedia has pointed to all those phenomena.

Finally, we say. The agreement of astronomers in the second half of the twentieth century upon the fact that the universe is expanding a tested the basis of the theory of a stationary (horsevolving) eternal advicerse and proved scientifically that the or verse has a beginning and an end. A says

"We will show them Our Signs in the Universe, and in their own selves until it becomes manifest to them that this (Qur an' is the Truth, is if not sufficient in regard to your Lord that He is a Witness over all things." (Soorah Fussilat 41.53).

#### First of Wonder

The nuraculous point of the Verse of the Qur'an is the syntax of "certify we are able to extend the customs thereof" which implies the past present and the future indicating that the universe is in a state of continuous expansion. This is what astronomical observations have revealed only in 1920.



## Computation of the speed of 1 int

Mirk a syc.

Allah, Most High, savk

ول بديرًا كالمر بر السل إلى كأوني أم عَرْج إليه في بوم كان بعد الله ألف مب ويت عَمَّان، ه

"He arranges (every) affair from the heavens to the Earth, that it affair) will go up to Him, in one Day, the space whereof is a thousand of years of your reckoning (i.e. reckoning of our present world time)." Soorah As Sopia 37:5;



#### The understanding of the scholars of Tafseer

"Abdollab fbn 'Abbaas, may Aflab be pleased with him, said in his explanation of the Verse." This is in this world: A speed by which attravels the distance of a thousand years in just one of your days." (See At-Tabarr, Al-Qurtubi and Az-Zamakhshan)

Qatadah said: "The length of its journey that day is a thousand years." (At-Tabari mentioned it in his Talseer).

Al-Quetubit said. "Meaning in a day the length of which is a continuous journey of a thousand years." Abo Flayvan mentioned in his Turs in that. The start is based point the recoverior to the nineer. A ball axis over sooned to assume a start is the statement of that Most Tight "(of your redoming)" i.e. (reckning) of the believers.

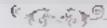
Al-Quetubi said: i.e. "of what you estimate "

#### Historical Preamble

In 1676, Chairs Roemer advanced the first evidence in history that the speed of a, as not percept the Attempts a measurement construction another three centuries until it became dependable in 1983 in Paris When an international value for the speed of aight at a vacuum at a value of 299792,485 kilometers per second.

#### Scientific Facts

- Resulting from the proceedings of the International Conference on Measurement and Standards head in Paris in 1981, the speed cought in vacuum is computed to be 299792.458 adometer per second.
- The speed of light is the same for all electromagnetic waves and this serves as the upper limit of speed in the physical universe.
- The speed of all celestral bodies is relative and depends on the motion of the observer and therefore requires specification. Towever, the speed of light is non-relative and has an established unaversal value.
- The length of distance of a month which we recken (i.e. lunar constellation) is 2152612.269 kilometers.
  - The length of distance of one thousand years is 25.83134723



#### bission leagueters

- The lunar year is based upon the motion of the moon around the Earth
- The ordinary distance of the moon travels around the Earth in every month (the length of the lunar orbit) is 2152612.269 kilometers.
- The average speed of the moon is 86164.9966 kilometers per second.
  - A stellar month is 27 32166 days.
- The length of the coverage is 2413306.35 kilometers relative to the vehicle speed (its cosine) is 0.89157

Note: The computation of average orbital speed of the moon is made as the ighthe Earth were stationary which means multiplying the average orbital speed of the moon amound a moving earth by he examine the entire angle which the lamb traverses around the sum in a single lunar month.

#### Scientific Explanation

In 1676, the astronomer Olasis Roemer presented evidence that the specific tagle is not percept are as meanined with firm years for frame and Thereofter estimation continued until it was established in Pans in 1983 coming as International conference on Measurement and Standards. The specific light in a variation was established as 2000-2-458 knowneties per second. This is what scientists have arrived at, at the end of the twentieth century as mentioned in the Encyclopedia Britanians.

When we return to the Noble Qur'an, we find that it has given appropriate information which affirms the correctness of what the measurement and standards conference concluded in 1983 in Paris.

The discoverer this time around was one of the Muslim scholars specialized in physics or Muhammar Dauduh, a consultant to the Scienafic Worder Council. He derived from the Words of Allah in Scorak As-Saidah, Verse 5:

ه ميز لاكر يد السبهل لأرس در منزع إلله ل يوم كار العد رُدُ الدراسة بساملتي يه

"He arranges (every) offair from the heavens to the Earth, that it



affair) will go up to Him. In one day, the space whereof is a thousand of years of your reckoning (i.e. reckoning of our present world time)." Soorah As-Sajda 32:5

He diet ved hat the intendes at oursial the matters of the physical universe regarding our existence in this world. This has also been mentioned before him by the interpreter of the Qur'an the tameus Companion (of the Prophet), 'Abdullah Ibn 'Abbas, may Alfah be pleased with him, it has been narrated from him in his Talker of the affair' mentioned in the Verse that he said.

This is in this world, a speed by which it (matters of the universel travels the distance of a thousand years in just one of your days." As for that respecting His statement—if your reckning,". Abu Hayvan A. Tawhid, said in his Talseer. "The year is based upon the movement of the moon." The meaning of this is that Arabs referenced time to the little counting just as they used to reference distances to the time of Is baiverse, for example saying, "A journey of three days." The Qur'an was revealed in the language of the Arabs and He (Allah) said: "of your restorms."

Based upon what has preceded, if we know that the speed of a body is traversed distant. I time and we recognize the concordance between the approximation of science and that of the Qurian, then we have the following:

Scientific Proportion (Equations)	Qur an Proportion (Equations)
ame	In a gay, whose length thereo, tame of an earthly gay)
Distance	One thousand years of year reckning (by lunar country, or calculation) (12000 cycles)
Speed (Distance Time)	After the universe (one thousand years of your reckoning
	(12000 natur cycles) /time of an easthly day



By substituting figures into the equation (see Al-Haprig Al-Thinggah It-Tafsort Al-Argan). The physical speed of the affairs of the universe

 This value of the speed of the affair of the universe agrees perfectly with the speed of light announced at the International conference at 1984 in Paris.

The astonishing results of this research have been presented to specialists in Physics at the Faculty of Science at King Abdul-Aziz oraversity in the Kingdom of Sauda Atabia. They concurred with a from a scientific viewpoint. This was also approved from the linguists and Tafseer viewpoint from a section of Limin Al-Quea University Department of Language and Tafseer in Markah. Therefore it obtained approval from a Language and Tafseer in Markah.

Thus Noble Qurian confirms the most important principle known o man in the byenfieth century. Is this not a miraculous scientific precedence mentioned by the Noble Qurian?

Say 'Yest By my Lord' it is the very truth!" (Soorah Yunus 10:53

A rah, Most High, also says

الله عالي م استقرأ وسوف الخدود (أو

\*For every news there is a fact, i.e., for everything there is an appointed term. \*(Sporah At-An am 6:67)

He also said.

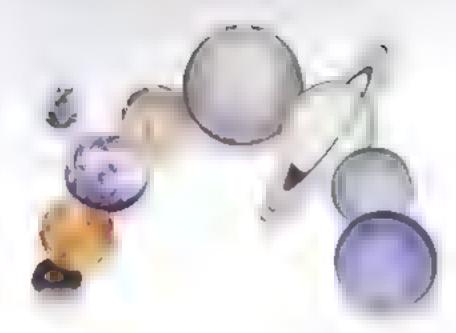
الله وبرى الله أولُو الله من الله الرازاليات من ويك عن العن ويُها بال بسوط العابير عمليد به

"And those who have been give knowledge see that what is reveated to you (O Muhammad) from your Lord is the truth, and guides to the path of the Exalted in Might, Owner of all praise" (Soorah Saba 34:5).

#### Miracipous Point

The meraculous point in the verses of the Noble Que'an is that it defined the minute of universal speed in a valous it resequivalent to the revolution of the moon around its orbit fivelive thousand times. Therefore, On Multiminad Daudah derived the estimation of the correct speed of the divine affair. Daudah found that the Que'an sixual is interested exactly with value of the speed of speed of the hydronic of the speed of speed in Paris in 1983 which is 299792.458 kilometers per second.





### All Float Around In Orbit

One of the characteristics of the newers as the every mean tent and a parts of these components over those not greater than an atom an all increations as motion never scopping, scopt or be command of Analt, the Creator of the heavens, the Earth and that is between them the stors because This motion is not governed by a or time or the to analysis of mandatic performance or matter as a works of monion Rather these are motions legislated and induced by the new Austonia. It is a phenomenon which signales at the place aroundated or man which he has studend and discovered or his Earth's previousment.

even planes coster—I stars and matters and provides all rotate around, upon the axes and revolve in their orbits in a translocational motion. Certainly, the entire universe is in translocational motion around a remote center beyond human imagination. Conventional scenes knows united the ner most about this center, hour a man





has been at in District isome or the principles behold the metion and overcomes or busines upon the lazar, he some cashot a hore man lethe secrets repareing the notice of net a pranticipa axies star and omets. He does not cease in strain in his attempt at demning the access and course of their motion and speed

From 1656 phenomena which man diserves upon the sentice of the Faith and assembly to be stationary such as more than is, it ils and seas, are therein a so continuous monors or pled with the is a morans, higher Earth; areal rolation and translocational orbital motion, and its other motion array with he boar bestern, how systematic continuous motions which know no wearness fall gue not inter-ite for everybody. as this expansive aniverse are estimate understood. This is nothing but grantication and submission to sout: the Exacted and Able - ashipper of the reasons the Earth and all between down. This is because everything in the arriverse assubservious to the community of this Augmin but and High is the Everything submits to him to the service of mankind to make easy his survival upon the Earth's surface. Auch says.

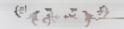
"It is not for the sun to overtake the moon, nor does the night outstripthe day, they all float, each in an orbit? (Socrab to Seen 36%))

He also says:

"And He it is who has created the night and the day, and the sun and the moon, each in an orbit floating." (Soorah Anbiyo 21:33).

Rosalt in from the orbital rola condistants and planets is a central galfor which tends a preserve the states and the planets is it in their orbit at fixed distances from it to the mother star (in the case of our Sodar Scott of the said. The factors that determine the continuous and of stars and planets to each other are as follows:

- The mass of the sun.
- Assat resilion of the sun



- Cravillational force of the son
- Mass of each planet associated with the sun.
- The continuous accal rotation of each planet at definite speed. the certain agrantics of each planet has be interven up listence between the sun and each planet.

Despite the number of these factors and the great length of time for which they have operated (from the origin of the universe till date) estimated at billions of years, the sun, stars and planets have maintained their fixed courses. Neither defect nor error have they experiences in their motion paths. This is operaise in raversing their room than an a begregard to the community. But the Angle pro-Sublime has are no subservier recommissioner or arbitrarious Aux all sharing occur by to any of the so and propose all bodies which may read to the severing of the bine my service or over a son and its planets. resoluting from as expression and shattering does not occur incept by the coster or Viable of sousses like any constitute the Chieff in East comed the neted if It's we is prix he has of Resurrest on the cay when The oneserse will reseall as sufer in one all planets, stars and moons or The shateened by A ab so immand and the Fardy is a specience. the promised violent convuision and its buried dense material will come is surface. Thus it foses equilibre, in its pravilational line and by position within the aniverse. Due to the axial rotation of the sun, its gases. concentrate (a) its center) and begin to form nuclei within it.

A tremendously strong gravitational force arises due to the enome assize or is mass which salion. They hundred and if it is nethe sand co. (10) thus dialot tachattle talks is by depiction, the gray alternal force of an planets following and traps them within is orbit corning, what is known as a Schir System. Solar of Julian. spreads on the fator one to extreme energy emanating purply naciear reaction in the interior of the san solar energy interhoos, nonthe leaving or not are one to term on rights at mounts may be continuity of the against dation of the son the formation of soon energy. would have ceased and not be renewed over time. Then the sun would have become a dead star several billions of years ago. It would have 4051 its gravitational force and action, between the sun and its planets.



These bonds between planet and stars which preserve their spatial positions an space and their orbits is what Aliah, the Protector, the Mighty and Subleme follows about

So swear by Mawage (setting of the mansion, etc. of the stars (they traverse). And verify that is indeed a great eath, if you but know? (Sough Al-Waglish 56.75-76.

Alah in his study of the spatial positions of the stars and the signs of Allah in the universe, alludes to the existence of a miraculous equilibrium between them, He alludes that the sizes of these stars and puriets, their densities their gaseous and minimalignal composition, their mass, energy and speed of orbit, and the fremendous and vast intervening distances between them are the mean of the numeric ous order, ordered to course) by Allah the fliessed, the Fixalted. The Wise as a miraculous sign for all manking till the day of judgment.



## The Giant strings Theory

The heaven beautified by the Creator with lamps (ze. stars, planets and gameies) is only the Earthly heaven (first of the seven heavens) which we see from any position. Allah, the most high, says.

'And indeed We have adorned the nearest heaven with lamps and We have made such lamps (as) missales to the drive away the Shaiatin devils), and have prepared for them the terment of the blazing fire (Soorah Ar-Mulk 67 S

If you are on the Earth's surface or within the Sciar System or a galaxy, or outside it, you would observe if (the heaven) in different shapes and colors, though it is the same heaven (containing the same set of pianets, stars and galaxies). The next Verse supports this



A Maryama Magagarapanan







understanding, Allah savs

## ﴿ لَا يُعْتِوْ إِلَّهُ النَّهُ وَلَهُمْ كُنَّ بَيْنَ سِنَّهُمْ وَمَا مُنْ اللَّهِ فَي اللَّهِ فَي اللَّهِ

"Have they not looked at the heaven above them, how We have made it and adorned it, and there are no rifts in it." (Sporph Quf 50:6)

The heaven mentioned here is in singular terms, thus the heaven which the Creator constructed and adorned is the one we observe above us. As regards other heavens which we understand form other verses, they are in layers. Allah, the Evalted, says

## ﴿ أُورُوا كُلُ عَلَى اللَّهِ مِنْ مُنْكُونِ عِبْكَ ﴾

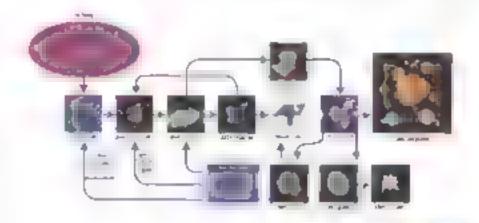
"See you not how Allah has created the seven heavers one above another?" (Sograh Mach 21 75)

That is, they are outside the enribly beaven and envelope it, but we are not able to view them due to the vasiness of the earth's beaven, to as on Faith, the earth's heaven to resemble the entire an verse which we study and whose edge or end we are ver to reach, so as to be able to view what its beyond. Man has made grant stricks in the area of science and technology particularly in the laster has of the twendeth in one and bas same ealers a gently beautiful to harthy in interspace. But do we experiently man would a large time saccord or going beyond the certifily heaven can beyond what we call the universe? The Noble Con an iteases the issue of the possenting of that occurring the Application.

### ﴿ حَمَدُ عَمِ ﴿ إِنَّهِ إِنَّ مَعَلَمُ مَا تُقَدُّوا مِنْ الْفَادِ النَّسَوِيِّ وَالْأَرْضِ الْفَذَّرُ أَ لا تَشْرُبُ إِلَّا وَتُقْلُنِ أَهِ

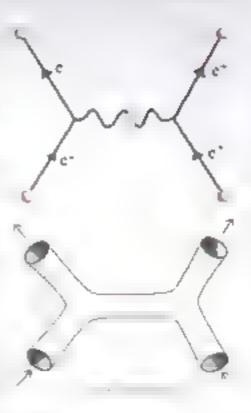
"O assembly of Jinns and men! If you have power to pass beyond the zones of the heavens and the Earth, then pass (them)? But you will never be able to pass them, except with authority from Aliah). (Soorah Ar-Rahman 55:33,

Dehnitely, going beyond the limits of the heaven is something extremely difficult for man if it were possible in the first instance have or we favor the common that he limb are nose challenged in go beyond the beaven white mankand are hallenged to go beyond the must of the Farth. The diffrest two which controll man in an attempt to go beyond the limits of the heavens have to do with the nature of his composition and creation. Man is created from matter and matter as a concentrated form of energy with a bulky mass. This is opposed to the other stms of energy ranging form ight to heat. This mass requires force to increase its speed and the force requires a continuous work or energy to move its point of application, rom one posit in to another In the range of speeds at which we travel on the Earth, be it lower or greater than the speed of sound inpidifficulty is experienced in the transfer of the human mass from one position to the other. The amount of energy required for such remains within reach and is obtainable rom portal for example in order to immeend the line of the waven or to carry out voyages within the universe, it requires that we travel





We do not know of a limit to the universe, so how can we go beyond the universe if it has no end? Is there anything known as the velocity of escape from the universe similar to the escape relocity from the Earth's gravitation? What is the value of this speed? Science as of today is yet unable to answer our question and may not be a see to answer them.



Thus it is evident distinging beyond the imits of the heavens (seven heavens) to virtually ampossible. All that it left to the possibility of visually observing its limit with the aid of distruments i.e. viewing the farithest parts of the universe while he is resting and recreating on his Earth and enjoying the warmth of his planet.

As of today, despite the strength of instruments invented by man, he has not been able to make the tarthest parts of the ancersor he actions he has gone is to observe or a rad about which he the entire universe and emanate from all directions. It is possible that these relicited attentions are must of the signs of the law of the source faith a beaven), however, we still do not know of any beginning or end of the 5t per Stranger oniverse. This Super Strange theory proposes that fundamental particles are made of components which are clongated and are not particles which occupy the extent of a point element to

59800, similarly to the theory of particles

These elongated components appear as though they are delicate endless strings strings that may possess ends and are referred to as open steines. They could also lose upon themselves forming crosed rings. The motion of this string in space or its temporal effect is one which presents a level surject to a regular surface, when the same is a closed one. These surfaces are referred to as surfaces of the universe. Those speed samps possess a other psychiatris, it is possible to join logistion he components of a single strong hor example is possible at a steep cocal off and divide to form two strings and the pregon of that les and be likened to waves which move through the entire length of the string, cakewise the fission and asion of bodies can be skewed in the likewing and join up to a string. As an example I knowled the gravitational force between the Earth and the sur can be explained in his sies as the improduce of the gray facion from the summer hymnig with other paracles in the Earth in the shape of 10. The principal parts collaborationally the springs and particles in the Earth and the Systematics. The horizontal part of or the [III shape) represents the path of the gray to inn between them. We may now ask. What is the rola joinship bet seen the super strong theory and the asim beavens? The appears is "In a particularly entraordinary way, the mathematical solution regarding this theory costiger stongs requires the existence of tendimensions. We all know that if we travel forward and backward, that represents one dimension, when we move right and left, that is the see and a mension and when we move propagation has have a herdimension. Any shape e.g. a car or house can be described by these they begons as thought may care hogers. After the day every at the theory or relativity a rough dimension was added to these takes spatial dimensions. This means that in our existence in this universe under the worth a least travel are in thos demensions, if we spatial demensions and a rourth tent total dimension. So where are the remaining six Jamensians?

Physics six are perpensed and analog to answer this question. They have preceded an answer to this question which says. The remaining





so, dimensions are wrapped within these strings (super strings) in a domain whose star is less than 10° of a miltimeter. The result of this extreme minuteness is that we neither see nor notice these dimensions ewever to the energies of this proposal has come to the one be why are these six dimensions folded into extremely narrow domains while the other roar are not? Is possed to be have another extramely are seened, large we they exist outside the universe or the partially heaven. In this same (due to their extremely argustant we would also held for see them because they are beyond out universe.

The number of heavens above our earthly heaven is so, and the osother of the remaining demensions which physicists are searching for is so. Is it provide to revery between above our earthly heaven represents each of these florouseurs? Fortunately the mathematical solution permits the repetition of a dimension or more to other universes.

It is possible that we notice the time factor in these heavers and we may not. It is also possible that only one or more spabal dimensions east at each of these universes. If the factor of time variebes in any of these universes or in all of them, then life within them becomes eternal and anending. Asc.—any of the spalar a mensions variebes in these universe, then ofe has most in assessing them for beings of an assay to a hore I mensional. I then becomes mandators that we transform the that planar beings which an exist in a two dimensional space or most sense his illy my arrows which are exist in a two dimensional space or most sense his illy my arrows which are a messar in one armension for example rays or light. These assumptions and propositions it at the six dimensions exist beyond out earthly heaven is not more ficultions than that super strings. And Allah, the Evalled, knows best

ph Mayanga Amenig apapea





## Trapping Wind

Changing non-living thing to life from using radiation

Dr. Muslim Shaitoot, Professor of Space Science and Technology

What is life? What are the conditions which less to its emergence? Where do these conditions east. Do these conditions continue to abound? What is the assumed theoretical estimate for the origination of life? From where did the first life form originate? Or did it evolve at different places in the universe each one in a distinct form?

These were the questions which preoccupied

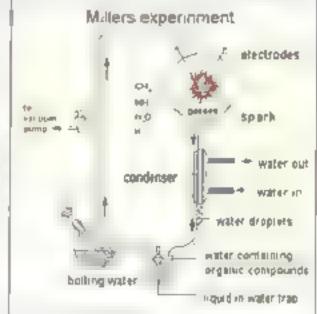


the wands of biologists in the West at the onset of the 20% century. his is the countainous at the benefit that the orientated by character to the openings without the intercention of any supermeans proved for which we centure a terminous to establish proof.

an experiment with the goal of turning non-termy mader—its og matter in tokens og radiation behand the uttravioler range upon a mistante gases consisting of two different gases, with a facility observed the formation of formalin mid glacose over imponents strongly linkes to the silve system.

is bridge for an insection of Abilian performed as in an experiment is bridge for an insection seminants, the harms so musple no open peak the masse of its formation, i.e. as it was bullions of wars open by making water super with among a methanicand cool agent to glar to the one are in a closed, associated then be excluded the vessel to a continuous bar agent seed, in a baryes. The reported lighted perparks such

as those occurring the Earth's almospheric envelope A from: a week experiment commenced, Mailer found arrung acids. bollumi the V(2538) Subsequently, several scremosts. performed similar experiments and succeeded on converting the



amino acids to form large protein



The German scientist and Nobel laureate Manared Eigen established the principal conditions for experimentation which resulted in estimations of the probability of the origination of proteins under any specific set of conditions and from there, to the possibility of the emergence of a are cell in the first stage of as formal in length many that the constraints of builder components setting acting pair represents a strong difficult innocating that the possibility of existence of the recessory factors for evolving that the possibility of existence of the recessory factors for evolving the by chance is so small that many arrich even be imagined.

in 1972, he common belondest. Kapian, describes the principal of combination of not essent proteins for the commodern of the by the see as being so weak that it cannot be imagined. For example, if there is a chain made of one honored rings count to acids the protein its caspositulated by Kaplant is not greater than the 10° parts. It we know that the number of atoms in the entire universe, do not exceed 10°, then we appreciate the minuteness of the probability of ife inginating anywhere in the universe by chance.

Based on the computational estimates by Kaplan, two British astronomers and specialists in the matter intervening between stars for their House and his consignating by chance is an extremely difficult thing such that our not possible that looking age of the Farth Houghly a 5 billion years incompanied to the age of the tarbourse what respects 14 billion years is usual about for the probability of origination of the by chance. They assumed he entire play assumed he entire play assumed the entire play assumed the age of the time sportaneously. The result is the same as this are vested by Kaplan and that is the about probability of tite originating by chance by transformation of non-xing matter to the form sportaneously. The result is the same as this are vested by transformation of non-xing matter to the originating by chance by transformation of non-xing matter to the locustic extremely minute and can harmy be imagined. They eventually agreed that there must necessary years a greatly permature from interest power behind the origination of life in the universe. This great supernatural power



is Alfalt, Clorious is He and most High, the Only Deity. One without associate in dominion, without parent or child. Alfalt said in His Noble Book.

"And they ask you (O Muhammad) concerning the Rooh (the Spirit), say: The Rooh: it is one of the things, the knowledge of which is only with my Lord. And of Knowledge, you (mankind) have been given only a little" (Sporah Al-Isra 17:85.

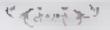
#### Evolution from Space

Based upon this (the aforementioned conclusions), the two German scient vis publishes their book littled a party from your or 18% to was translated into Arabi, in 1989 under in the baled "Al Builliar Ackara your This beak attempts a his earabid test in attor. The basis of evolution from space proposed by the Swedish scientist Arrhenius in 100° time their steel are in theory or my many volution program are no by Charles Darwin during the nineteenth century. It states that the doctors from the an earse and that his complexity of the object in factors from the an earse and that his complexity of life system points to making a a real Power such as Allah, the salament in the two parts century of the suppositions. That the moored of the supposition of the oldest rocks on the surface of the Earth.

Therefore, the oldest evidence, which dates back to remote times contain no indication of how the first components of life formed. Thus the freety or evolution action reaches bases at ording 10 the contains of Hoyle and his colleague. Also, life had evolved to a known level in space prior to the primation of a fraction of a temp per new first.

#### a fe in space!

In the eighties, it became clear that matter in the universe beyond our Sofar System contained a lot of organic particles, often with high complexities. This is way have as consonasts concentrated, her efforts in



researching for the tocation or locations of origination of life. They looked at places within the universe where temperatures are between minus twenty-five (-25°C) degrees to sixty (60°C) degrees and an which the atmosphere is free from oxygen or very deficient thereof. They found that the presence of water or water vapor at any location in the universe is the singular most important condition for the emergence of life. Aliah, the Magnisheent, says.

فورست م النادكل موروس م

'And We have made from water every wing thing. Sooidh Anbiyo 134.

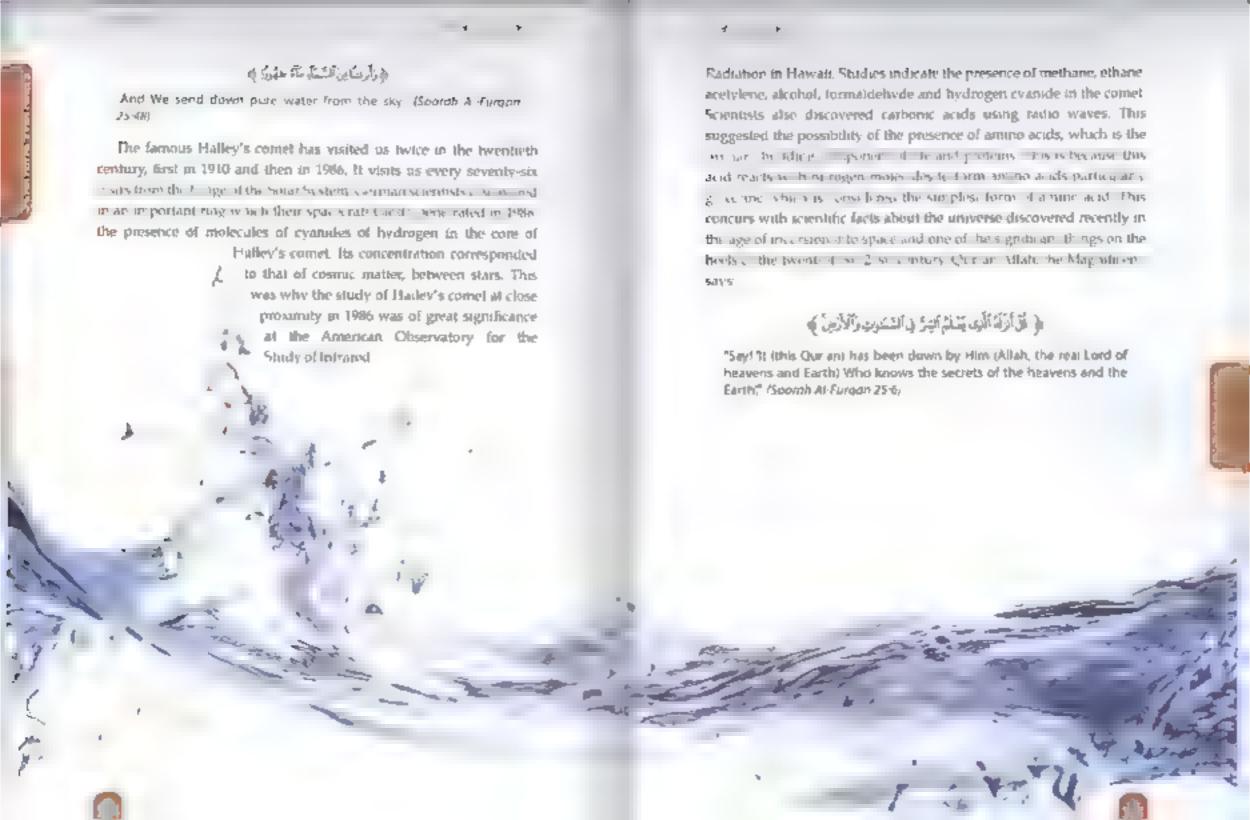
and

﴿ وَالْفَا خَلُولُ وَابِعِ مِنْ مَأَةٍ ﴿

'Allah has created every moving (living) creature from water' (Sporoti Noor 24:45.

Use some sets believed that the volcances of the Earth emitted tour gases about our buten years ago on atoms, vater caper which condensed above the Earth's surface forming the primordial broth. Then particles of carbonic compounds formed and continued to unresse in complexity.

The theory of life originating from comets has been known for several years before presently becoming an optable and it has its own valid arguments. This made scientists admit that the origin of life was from space possibly through comets which hit the Earth in the past and supplied I with water Counts are reported as mountains of ice which contain cosmic carbon compounds. The dominant theory amongst bro-introductions today is that life and water originated from space via cornets. Aliah, the Magnificent, says





## A lawar Kunnass The Receding Planets

Man, the Exalted, says

So verify—swear by the planets that recede are disappear during the day and appear during the night). And by the planets that move swiftly and hide themselves. (Soorah At-Takweer 81 15-16)

Altah Giorious is He, swears — and He need not swear to His servants — by a fact not known to scientists except a few years ago. The

phenomenon of Black Holes. These are grigants, stars which concentrate naturally at the centers of galaxies and are regarded a heavy center for the galaxies. They are composed of extremely dense material, fluctions to which) the human unlessed can hardly imagine. Matter is crammed in these black holes such that the distance between the components of the atoms, most of which is empty space vanishes. The size of the matter within it is extremely minute. When the spaces between the fundamental components of the atoms vanish, its size becomes extremely minute till it is virtually normalisated. With the cramming of the matter within the grigants, star, its gravitational pull becomes are maginable such that even light cannot escape therefrom Then, the star and the heavy core of the galaxy become the larger part of the galaxy's mass. Thus is because everybody within the galaxy is held by the gravity of the black hole as a beavy core for it.

n one in the a lile is blok to form, its mass must be pressurated and it as in equalibrium with the universal speed or the speed of light. As an example, a star the size of the sun that measures in diameter one million, three bundled and nurety-two thousand latometers requires to be pressurated and squeezed to a diameter of only three kilometers in order to form a Block III see

As for Ar-laward Khannas linguisheally it means Khannar also meaning conceased or hadden. But why the espection here? What is its on aming since it is not for allermation (of what was in the previous verse)? This is why I believe that its meaning here (in dus Verse) is from Al-Kann, i.e., one which sweeps through the plane of the sky and not one which hades.

From Ayut Al- Inc. fi Ai-Que'en Al-Karrin —Dr Zaghloul An-Najjar. see Black Hote, page 262)

## The M Ky Way O r Galacz

Allah, Most High, says.

## و يوم مورى الكناة كالى اليجل المصني كم مأت ورحكي أيبالة وم عساره كا معاير كا

"And (remember) the day when We shall roll up the heavens like a scroll rolled up for books, as We began the first creation, We shall repeat it, (it is; a promise binding upon us. Truly We shall do it "(Soorah Anbiya 21 104,

This is a Verse which recounts to our ears and medical the issue of the beginning of creation and its end, the importance of our existence and the existence on the cut his observe. The general coders anding we obtain here regarding the origin of creation is the origin of the universe with all that it contains. Things which we see with our eyes such as galaxies and those we do not see, not even with the most powerful telescopes and microscopes, these things we know or have arrived at via logic and computation and those which we stall know not (despite logic and computation), which still remain mysteries of the beginning of creation which we comprehend from the Versi.

## ﴿ بِيوَطُرِي ٱلنَّمَاةُ كُلُو النِّيلِ إِنْ كَمَامِالْ وَ خَنَانِ مِبْدَ وَمَدُّ مَانِثُ إِذْ كُنَّ فَنَايِدِ

And (remember) the day when We shall roll up the heavens like a scroll rolled up for books, as We began the first creation, We shall repeat it [It is] a promise binding upon us Truly We shall store? (Soorah Anbya) 27-104.

This universe whose dimension is over twenty billion light vilus and whose mass is greater than 10° kilograms will appear in the Hand of its Lirenton as the pages of a Book appear in the hand of a reader!





the intellectors is a more election of side requiring that we posted to contemplate and think about it.

to in this story sthat Normatterhow may the universe expands a texts—control and story and sweep! In cases. I will now the text bug or uncontrol able for its an ator Kamer Hir shad to 1 it up with a least just as the located of a serio case, to be an its page (Alama, the Honored, reaffirms the fact to us in another verse wherein He said. "Verily that is easy for Allah." Allah says:

"See you not how Allah originates creation, then repeats it. Verily, that is easy for Allah." (Soorgh Af Ankoboo) 29:19).

And in another Verse

"And He it is who originates the creation, then will repeat it lafter it has been perished), and this is easier for Him. His is the highest description in the heaven and in the Earth. And He is the Armighty. The All-Wise. /Societh Room 30:27)

Secondly He presents as with a simplified of the universe being similar. But paper it is possible for the universe in actually be list thus is the salar more between award advants, between a desertion verse end or open on when the beast of the universe is explicitly for verse densit. This is what a great number of astronomists have afterned it must also appear to as a manar. One up a made is not as a treaty of more our size and volume just as the Forth mutal, appeared that it is obtained someton be even in that we select a a think it is the see the extent of similarity of the universe to the page of a scrole a flumess which we see from all angles some that we set a a think it is flat as the flatness of pages.

Thirdly, he calls our attention to the issue of the shrinking of the

of a scroll. The marvel of this simulatude is extraordinary a discription that could not have emanated except from the one Alf-Wise Alf- is nowing the chief the constant the universe is tenthe expansion of the universe to its present size or to any future size, the Creator shall roil at up along with all als contents and this hage and expansive universe shall return to step amount at safe. As the contents we were considered as tenthed the expansion of the amoverse of reward mode, we observe its stars construction. Only a consent operation and its pale appropriate together and its size diminishing and the universe rolling up to its primordial state.

4 1

Thereafter (in the first Verse) comes a reaffirmation that this was now creation commenced and so shall it return to its original state.

"As We began the first creation, We shall repeat it, (it is) a promise binding upon Us. Truly We shall do it." (Soorah Anbyo' 21, 100)

This was the decision of the Creator before the origin of the universe, the line was allowed an interest to the special state deflicing of the same and a point with oil line density and temperature or to seek thing kind we only to Hinn.

The process of shrinkage and inward cottapse of the universe upon itself a trentend sus chapse or a primordial policy is the closest explanation which is sence, an present is offer for the collegiup of the universe or the beavens to its primordial state. In adultion, there are some observations we need to make

First: The scientific or human interpretation of the process of the shrinkage, followed by the tremendous inward collapse (of the up verse) is the reverse of what map sees or purtons of the entirenous phenomenon in organis to force and violent two-bosc is a uncleasing are extraordinary. Mant is a creature above this planel (Earth) which is one of his planel's trading or sun, a seer us and or the importance stars on the wings of a galaxy, and a galaxy just one of the bellion galaxies is the invertee.



Secondly: The strentific explanation of the end of the universe as a process of shortware and a mapse assessed on unders and again, verse, the explanation of the colling up of the beaven and the return of the an verse to its original said. For the more we find a go at a one, trence with the fext of the Qurian. This does not imite has the other in the original possible explanation of the Verse. The Dietrie realing in pior the universe of the process of a shorter of a shortware process at as possible than it is the tempth of original shortware the shortware and allapse process we take or the length of time which the shortware and allapse process we take or the length of time which the shortware and allapse process we take or the length of time is high the shortware that or shorter and I may occur in less than a second.

Atlah, the Exatted, says.

"And the trumpet will be blown and all who are in the heavens and all who are on the Earth will swoon away, except him whom Allah wills. Then it will be blown a second time and behold, they will be standing, looking on (waiting)." (Soorch Az Zumar 19:68)

The universe — or you may call it space and time — both are two materies and time in all the regulations of subservices and people a same in the relation of the beavens is capture of a peaking their challenges and a piece there exists a color of the beavens in the same or may be beautiful to the same time the same time.

or at other times

"Is not He, Who created the havens and the Earth Abio to create the like of them? Yes, indeed! He is the All-Knowing Supreme Creator" /Soorah to Seen 36:81,

Then necessarily, we must accord the Creator of the universe Who shall definite could trup as the keeper or a wirell of pages rolls them with ease His due regard.

"They made not a just estimate of Allah such as is due to Him. And on the Day of Resurrection the whole of the Earth will be grasped by His Hand and the heavens will be rolled up in the Hight Hand. Grouffed be He, and High is He above all that they associate as partners with Him." /Sograh At-Zumpr 19:67/.

## Possible scenarios of the Universe's end

Continue to the second

In the previous topic, we examined the most acceptable theory in scient in carbon as as at roday about the bath of an an verse the long Bang, theory, which is based apon sciences, descreets the lacilitia the increase of scientists say that all the patients is expanding at a great speed by methys say that all the patients in the patients about the patients and that it exploded and the material or he or verse by one spin all in actions and that the process began expanding from their orward till date.

We pointed out the significance of philosophy to this theory. We say that he to not be reached the more table, a made and the immedability of the universe, and established that the universe was maintability of the universe, and established that the universe was maintability of the aniverse, and established that the universe was mark be a Creator, because this gigantic explosion was like no other explosion. Every expresion mark to disorder shader by any dissipation with the explosion less to the formation of a highly systematic off sorse. Interferor an in one power and perfect warmer in his colation for we are much as marklessed in an apparent market in his colation.

- Will the universe continue to expand ceaselessly?
- Will the force of gravitational attraction eventually overcome the force of expansion of the universe? Or will the reverse be the case?

There are two possibilities in this regard

The first possibility: The speed of expansion (of the universe) will gradually slow lower due to the Blect of gravitation and excludity stop. Thereafter the universe shall begin to return (i.e. shrank) in the

reverse direction i.e. all galaxies, celestral bodies and orbits shall be flung towards the center (of the universe). The universe will dwindle one think upon use the engage arrayitations torce on the enter universe returns to a single small point the size of a dot, i.e., it returns to its primardial state. The meaning of this is the deal and a role inhier of the universe. In every the term in these observe teaches the state.

The second possibility: The gravitational force will be anable to overcome the force of expansion of the proverse i.e. the universe will keep expanding converse will never expensive dea h? Several causes but death a constant

Even under the second possibility, the Universe cannot escape the definite end of every creature, which is death. This is because, this expansion in mose after a vent up all is no via the process of resolution along place in an stars I will definitely die out in this state the or verse becomes the a terminatory a gipanty or motory devices any signs of life.

 However, what entablishes that the gravitational force shall eventually overcome the force of expansion of the answerse?

The answer to this question is if the rate of expansion of the universe is such that galaxies are able to example from the torce of gravitations then expansion shall continue endiessly. This is the example of an opening verse.

If however, he speed or a spansion of the universe is test cap the escape of to be the expansion will stop after a period and the universe shall be possible withdraw apone seed or a retrogressive manner. This is the example of a closed universe.

What is the escape velocity?

This is the minimum velocity required to escape from the gravitational force of any place. For example, he escape velocity to participate to faith a 23-11 km matter per second or it you ago to a

This to are Anaber saying that there are neveral counts of death but all trad to the some thing, death

 Is the speed of expansion of the universe up to the escape. select sites a general than the one of gray tation in the universe or 11555

This is an essue related to the present density of the universe. If this pensity is up to what is known as at host density, then, threams that the gravitational tong present in the universe shad at but he be sufficient as half the expansion of the universe - owever if it is less, then the universe continues to expand ceaselessly.

Is the average density of the universe up to critical density?

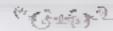
Scient's have computed he value overfical objects and bond so gogs 4 x 3 g, m. This means that as long as the amount it matter in the universe is equivalent to three eyerogen at imager cable mater. her it was a be up to it to a density they then suspited the density of the universe and found it to be only a fraction of this

 Does this means that the universe shall continue to expand ceaselessly because its density is less than critical density?

We cannot say this prison, because the amount of matter computed object of spenies in the universe is that which they were able to siew with optical and radar instrument. There is an enormous amount of mater which is not included in their comparation not example. Back Holes, about which we know virtually nothing. There is also what is known as the missing mater in the an verse Scient sts observ. that the amount in visible matter as gauged-can rever be spaticipal to resourthe continues existence or these galaxies as a body hather it requires fens of mit appears the smaller to remain coherent and in espatibility in Therefore, the computed density of the universe is not its true density. The true density of the universe may be up to the critical density

What occurs in a closest aniverse?

The speed of expansion of the approved will apparently graduates began



to diminish until it becomes zero, i.e., the expansion stops totally. Then the universe begins to race toward its center at a speed which increases. with the accompany of war to be a mander, there everything will appear majurat after hillions of years.

fait, what if the size of the universe becomes one-bundres(th of .)s present size, such that the temperature of space (which is presently how to alway the art of a service the homperature of the hard in day aght A ter millions of years, ightning faishes of the anagerse would attain attemberrable ievel and as tempera are will rise to millions of degree Before reach up this some a forms of it will have possible and become extract. There the stars begin to melt within the universal brothmake particular exampleading ion a brodusch se tempera prograches bricons of degrees. Then the up verse by once smaller and smaller to ats size is just that of a small point close to a doll and becomes a black hole re-digels to a state of langular dy upon lates to time and space such that the laws of physics do not operate therein.

However, some atheist scientists who see in this theory the bankruph viol atheism, proposed a three possibility for the universe. A possibility of rules for or oscillation Summary, this presents status hat the universe has been expanding eternally tipe to Big Bongs, then i. Shrenks and contracts upon itser, then it expands our to and not big Bany are so in Thus heps the art offer selected without a beginning or end. This theory has altracted and pleased atheist scientists who never want to accept the concept of Creator, resurrection or end of the universe. However, this example can neither stand before the discoveries o science has before scient to tap a Taps or who we say if has been reposalated sudden a triple for systematic thought and study). Portunately, it has met with total disregand within scientific circles, because science does not know of the ability of the universe to ner you til after shr mang into single arrive hor example, to elterjust one example which do in verse shall be one after to stransage escale is not possible from a "Black Flote". What then of the entire universe? Another problem facing this example is that of Fotropy. This starts that arrany process is innivious on if mergy form one form to another a certain amount is converted to forms which become unusable. When





the an verse reaches the same a single and others will not be an emergy of salties at the an entries after the specimen one present to another because there is energy available for the change.

Thus, whether there is an example of an open universe or a closed one, death is the eventual end which the universe awaits. This does not imply that the end of the universe shall be by one of these means (i.e. these two examples is open and closed and erse because the possible modes of the end of the universe are numerous and can fit an entire book.

This is in regards to the universe, but with regards to our planet, the sun and the Solar System, their ages are not as great as thus, of the universe. The age of the fuel in the sun is much less than the age of the entire universe.

"Whatever is on it (the Earth) will pensh. And the face of your cord full of Majesty and Honor will abide forever," (Soorch Ar-Rohmon 55.26-27)



Month Policyle of Blooms of Serya Star.

# The throne of Bilgees (The Queen of Sheba)

Ariah The Most High - says:

ولو عال الديد جمع علل من ميكنب أنا مانيك به المن ال الرد ينت طروق هذا رد أ صنعه علم خدم ظل عبد من الصدر إلى سنوفي السنكر و الكمر ومن شكر وصاجبكر النصية ومن كامر عرد إلى من كريم إله

'One with whom was knowledge of the scripture said: I will bring it to you within the twinking of an eyel' - then when Suleiman (Solomon) saw it placed before him, he said: This is by the Grace of my Lord to test me whether am grateful or ungrateful! And whoever is grateful, truly his gratitude is for (the good of) his own self, and whoever is ungrateful, the is ungrateful only for the jois his own self. Certainly' My Lord is Rich (Free of at wants), Bountifully' (Solvah An-Morni 27-40)

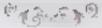


Section of the state of the section of

The story of Scaleman, peace be upon hum, and Balgees, the queen of Sheba, and he assured the reporter of our terms is two to be some as an example of magic how possible is it for a creature to transfer the three code queen of Sheba is that as a thin a prept cas ance as less than a second. If before the twinking of Suferman's eve? They say his tempth the delitability consist he uniformly which is a job may be possible for Suleiman, peace be upon him). However, modern science is so that this time not have to be magic? It has a remove is possible within the sphere of science or a least from a theoretical view point of our capabilities within the twentieth century. But, how did that occur is the assure.

Energy and matter are two forms of the same thing, it is possible for matter to hange into energy and energy one matter. This is according to known principle. Manhand has succeeded in converting matter to energy via atomic reactions which give rise to electricity (to nuclear reactors) even as his control over this conversion has continued to progress and develop in stages. In has also successes authors it to a lesser degree in conventing energy into matter via the north-leactories or despite be fact that hese gave not progressed be and he fevel of particles.

The conversion of matter to energy and energy to matter is something scientifically possible. Matter and mergy and associates, and the possible to its no significantly bindered except by the lattice of associated with its occurrence under present scientific and practical contributes. No doubt the easy attainment of scientific methods and appropriate stactical next stor the easy conversion of energy to matter and matter to mergy require great at vane is in science and expertise skills. Our level of scientific and practical (technological) capabilities at present in this regard is no mere than that if a today's rearring to read (when compared to what is required to make the conversion perfectly receivable). Whenever in an are that mankind is capable of each conversible. Whenever in an are that mankind is capable of each conversible. Whenever in an are that mankind is capable of each conversible to the encountered at the resolution of the production of the original points at the speed of light as infero-waves and then we convert it back to



matter! Thereby, we shall be able to send any instrument or even our efforce beathing to any receivours. These up to the last of the sending or to Mars within a few seconds or minute.

The fundamental difficulty physicists envisige with regards to achieving this dream is the arrangement of the parts (of the atom) or atoms of matter in the exact original position, each atom in its former position before being converted preparely such that it can be as it a ginal solid. Another significant difficulty was present a first does not exceed sixty percent due to dispersion of most of it in space. All these serve as obstructions in the face of his present position of science and its capability to convert matter to energy and vice versal.

Now not is return to ate assite. The transport of the chrone of Queen Bildges, his logical expansion is that the nine who had knowned to the Book (be he a man or Jam) as much as we know of today, first concerned for through a by Jacobs of Suetsa into a form of energy (not necessarily in the form of heat energy similar to what we get from modern atomic reactions which has low officients). Eather in a form similar to electrical or light energy which can be transported as electromagnetic waves.

The second step is that he sent the energy from Sheba to King Suleman Since the speed or racet of excircinagness, waves is the same as that enlight. SU(0) kms is then the time to reach Scientians a distance of three the usand. 3, 000 k, amoters away, the third and make siep is that he interests the energy after acrossip suck to maker or the exact from it was, every part or atom returns to its former position.

Certainly, twentieth century man is incapable of accomplishing what his being with knowledge of the flock did over two thousand (2,000) years ago. The present capability of man does not exceed attempting to understand the explanation of what or unred. Att dial man has an inever up the bisympetic potury is the loss given it some matter cheasy elements), we arrange to energy by the fission of the atoms of these elements.

As for other nuclear reactions which occur via the fusion of the





shinted from homent so much be or your and reform and governor to the energy of the sun and stars, man has not been able to present to achieve this limb man is able to achieve the production of mergy to Attibing typescope, george protection and realized ground array year agency by Jellack to transmit ever great distances without a dispersion of the grater half of it. The conversion of matter to interowaves by human presently occurs via a process which necessitates its conversion first to has energy then medianical mergy then electrical energy and many transmitted as micronvaves, for this reasons we find that the greater ha of the namer we surfer sy this erspersed furning hose unversion. leaving only a small fraction which we can transmit as microwaves.

The capability to convert matter to heat energy, then to mechanicalenergy and to electrical energy does not exceed twenty percent. Until the supplication as in letter of the less the attentoys of the open exempted aromans to energy then the fraction of aromans to onver ectic energy. remains or resima. The greater has be maris can learn use which emission ats energy over a period of bildons of years, decaying eventually into lead. This is not the desired end results! In the final event, it is necessary to a state and collect all these waves and then the abvert if to energy and then to matter with every part, atom or porticle in its ong to position. The against to gather to these and about it present and convert it into electrical energy in the form it was transmitted does not exceed the percent to nothing with remain of the original matter after its conversion from matter to energy is transmission. as electromagnetic microwave, its capturing and conversion back to energy except ten percent. This is before performing the final stepwhich as the conversion of the energy into matter. This final step, i.e., specification of the emerges produced for the literature companies from seaching twentieth century man is yet incapable of. Therefore, we do not know the officiency of companion in his load step. If we assume that lider the best conditions, many as sociestally, on order his percent in our remaining energy area mayor then what issuichiese is less than this percent of the original matter we started with

his means that it we commone with he thank of chosen Bilgors. and we converted it by whatever means into energy, and then we transmitted this energy as microwaves, then we re-captured it and converted it back to energy and then to matter, we would not have many than two penies of the Grone it glaces. It ligers its for the piscit is all have been a supplied an optic server on a reconsidered or to the support select mensure or diese processes. This are percent of he he are of collegen to prove a consistención to actual a serio materialismo. of a small part of the thirdne such as the legs of arm result the Queen's throne

The Verse of the Qur'an does not specify the personality of this one with whom was knowledge of the ser plan. Was be a map ar app? A great number of the scholars of about have mentioned that due one who rank to be be through a Rilgonian a mar by the name of Yas I bin Burkhiya'u, who had with him the greatest of Allah's names by as him with the as become used the recognitude. Arrhaps, the firm white but this was an (first (very strong) one amongst the Jines.

Perhaps has locally received in converting the throng of Bogors. into energy, then transmitted it over thousands of fulumeters, then recoverted to its riginal form market said as a vas before Adthese in a second or in a several seconds if we consider the goal of the previous in sole interested by estimate test being personal beupon hum, rose from his seat

The level of knowledge and capability of either of the two sons about two shousand live hundred lears ago is much higher than the have of kilometering men original and scientific capalitativelying oversighcontury man has achieved

(Against Que'annyoch Fr Minthat Al-Yan by Yahya Al-Mahjun, with some med fications).



#### CONCLUSION

Allaha signs in the Heaven and the earth

Allah s signs in the Heaven and the Earth

"Say, behold all that is the heavens and the Earth, but neither Avat sproofs, evidence, Verses, Jessons, Signs and revelations, etc.) nor warners benefit those who believe not." (Soorah Yunus 10:101).

#### The Universe

The Earth upon which we live is at a distance of nunety-two and a half me non-miles from the sun tybose surface temperature is up to hyelve thousand Fahrenbert, and the moon is a discauce of two hundred and forty thousand maes away from as. These distances provide a sunable environmental condition for the life in the form that we know on the Earth. If the Earth were to approach the sun just a little lat, then all little on, will be charred atstan as any all trains of life or dideappear, And went the sun to recede away from it (the Earth) a bitle order, then all forms of life upon it will freeze and eventually die out

takewise, was the moon to approach (the Earth) a little, then the common second be submerge by floor, and a subbriat afe would be destroyed. Due to the gravitational fewered the moent of maintains and he is self by appropriated and the away afrom the barth, and all his will be rumed

the hardy dealer aport dealers are speed of one. Britishis mile speed hour reliat a speed 1000 much, requirement to one complete relation. every twenty-four hours. If its speed were to decrease a little, the day would be prelonged with alteridant dreness heat) and his right also presenges resulting in a force due to the way of the effect of high-There in he actors have requirements of fe sengel digitalish and



if continuous would vanish one after the other

If the thickness of the Earth's crust were to increase a little, then the amount of oxygen would decrease and the possibility of alle would distinush. If we assume that the thickness of the Earth's crust were to there are the per-first, there are well wanted due the vanishing in acceptant I the solder several a no mirrors of the theolite the world will be me expection out to disequilibre in the lens to or the amosphere Hence, all planets and cosmic bodies would tumble.

Those who live on the shores of seas and oceans or those have to reside close to them usually have to vaporize and then condense its water in order in remove the sail therefore to make passable for thing in a Herr thin would is shifted the soft want mills would be fresh water just as the waters of the rivers. Were their wish to come true and a the sale eater become basis then the and have become printed all hrough and life on Farth would have ended and become a desolate are the water of the or ears, and seas are stagenar't bookes and the sail. in them prevents decay or rot.

Take a look at the water cycle in Earth and you so it no that it has been created according to measure and precision. The sun vaponizes the water of the seas and occans, which is regarded as a repository whose stored water is not dimanishable), it rises to cold layers in the sky condenses in order to a last resh waller lowing in mens, watering plan's and I vestock, and filling the on verse with life is his then by 118 1631 7

Take a look at the rotation of the Earth about shelf, its revolution around the sun and the inclination of its axis which is up to twentytheir degrees becomes the periods of the rest are to need pain biting winter to dement spring their to hor summer and an amiable autumn Were the axis is be vertically approprie thou the Earth would not relate around itself. All drops or water vaporated from the oceans and seas wenter congainsteand a laptin in the reclimined places in the north and the south. Continents would form of the and summer and winter would be respet at and all nankand life and fiving their would pensh. Is this by chance?





Anah, Most High, says in His Honored Book

"With power did We construct the Heaven. Verity, We are Able to extend the ventness of space thereof" Soorah Adh-Dhaariyat 51-47).

The accentest (Balton) says in his book tilled Science looks to Space. The acceptage is proved extressed and surger than we used to imagine the remodest parts of the acceptance and may be off at a given give send. Astronomers had concluded that space between sizes are total, compty valuations, and in him is they are tilled with gases and determine eyes matter. There are come so it gases in space with it are as ratio as six bullion miles.

The san and planets revolving around at are recent phenomena timewise arcenting to astronomically incidences. For most of the ratio ving planets, their ages do not exceed three billions years."

Ballon also says: "The entire universe with the lamities variation in the sizes of as stars where are fluing in a constions as though they were as spiritures of a defonand bomb prosence a purture which is district for a person to imagine without being serviced and using one shown as their smore grazzling and breathtakens, is the strong of all these by this a minute creature known as than who lives on a spiriture should star in a minute creature known as that who lives on a spiriture of a small star in a mount in sphere of a golass and or ferent than a certain millions of its kind. This being seeks to goze at the ends of space but its limited. Then he exerts humself in order to understand he universe.

Astronomers say there are some stars and planets of these several bittoms—those is not can be seen a or the natural everand those which around be seen exceptively magnificantly hasses and test appends on. There are those which has be perceived in magnificant is written, being seen A. these passing to subtle interest has a some possibility of against other map tests todd of a some coming rose to that of another or the collision of the planet is the scalar according to the experimental events and another in the A firsts. A can both traveling in the

same direction. This is a farfetched possibility if not totally impossible.

- Science proves that the speed of light is one hundred and eightsix theorems in less is a second, where we stars whose emission will reach us in minutes, some whose emission will reach us in minutes
  and some which have emitted their light (which we known using
  sophisticates, instruments) minimum at insire age and the light is set of
  much as So, what is the breacht of the universe?
- The simospheric envelope surrounds the Earth. Its thickness is about one hundred ordes and is made up of a musture of oxygen, in trogen, carbon dioxide water vapor, ozone and other gases mixed in uete or proportions. Any change or these proportions are newseen decrease) leads to the loss of the and living being.
- The amospheric pressure reaches 14.8 rolls per square inch at sea level. This is the pressure that pushes oxygen through the lungs are the into be brood of term as to be dest broad through the lungs parts of the body. Any minute variation in this pressure results is a short in that may read of the history research of his body cound that during high a titude flights, where the protrises above in teen thousand feel, he experiences what as known as the blocking of the air artery. He does when he reaches a heigh—twenty five—housand feet a hordest s. Allah, the One Who perfected the creation of all things.

some of the contents of the universe

Allah says.

"Have they not looked at the heaven above them, how We have made it and adorned it, and there are no rifts in k#" (Soorah Qal 50:6).

• Al- A lamab Surka said: "A person cannot raise his sight to the big: here more than one or up benefit the splender and out of sobries when he sees the more or britting allowing sours and he was hes their movement to be exploits and to manage one big tracers. As stars and any planet, all nebula and any rounding body, is a separate world on its own larger than the Earth, its contents and what surrounds (t.)

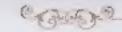






#### The Earth

- The Earth is one of the planets which revolve around the sun. following it (the sun) in its voyage. It is the fifth planet in terms of size and the third (in terms of proximity to the sun) of nine planets which constitute our Solar System.
- · The Earth is nearly a sphere except that it is slightly dented (flattened) at the poles and bulges at the equator, its polar diameter is estimated at seven thousand nine bundted miles while its equatorial diameter is rune thousand seven hundred and twenty seven miles. Its polar circumference twenty-four thousand two hundred and twenty miles while its equatorial circumference is (wenty-four thousand nine hundred males.
- Its surface area is about two hundred million square miles. Dry land covers about fifty million square miles while roughly one hundred and fifty million square miles is covered by water.
- It rotates (carrying us along) about itself once every byenty four. hours. Anyone in the tropic area therefore moves at an average speed of one thousand miles per hour or safeen miles per minute.
- It revolves around the sun in its orbit (which is up to five hundred and eighty molion miles). Thus its average speed in this motion is up to sody thousand miles per hour or about one thousand miles per minute. The entire Solar System with the Earth covers distances in space at a speed not less than twenty thousand miles per hour, i.e. greater than three bundred sudes per minute in the direction of Hercules constellation.
- As for the age of the Earth, man has been trying to predict it for a long time. In the seventeenth century, Bishop James Arthur said: "The world began on the twenty-sixth of October, four thousand and four years, before the birth of Christ," In one of the books of Hindu religion, the age of the world is 1,972,949.56 years. In modern times, effort has been commenced by astronomers in observatories to obtain the most precise value of the age the Earth. Eventual reliable



estimate from the observatories indicate the age of the range of about 54,000,000,000 years and the relative error in this estimation is about twenty percent.

#### The Sun

The sun is a sphere of burning gases whose age is five billion years and has a diameter of greater than 1.3 x 10° kdometers. Its circumference is three hundred and twenty times that of the Earth and its weight three hundred and thirty-three times that of the Earth. Its internal temperature is up to twenty million degrees (20,000,000°C) though its surface temperature is only six thousand degree (6,000°C).

- It surface spits out flames which rise to about half a million. kilometers dispersing energy in space at a continuous rate of one hundred and sex seven thousand four hundred horse power per cubic meter (167 400 hp/m) and all that reaches the Earth thereof is only one part in two million (1/2,000,000). And it (the sun) is considered only a small star and not one of the giant stars.
- On its surface, there are very strong electrical and magnetic storms. One of the bewildering issues for scientists is that the sun as understood from the knowledge of the layers of the Earth has not ceased to radiate the same quantity of heat for millions of years. No doubt, the form of combustion taking place in it is different from that with which were are ocquainted or familiar, otherwise, six thousand years would have been sufficient to combust and exhaust its heat. Some think that the meteors and meteorites falling onto its surface replexish what is lost via radiation of heat.

Eventually, it has become clear that the process which gives rise to the heat of the sun is the conversion of its fuel, hydrogen which is abundant in the sun and in other stars, to helium. This occurs via a chain of intricate nuclear reactions, which gives rise to utumaginably Itemendous amounts of energy.

Dr. Thomas Cold (deputy director of the Center for Radio-Physics) and Space Research) has declared that an explosion occurred within the sun on the thirteenth of February, 1956, equivalent to the combined tonce (energy) of nullions of hydrogen bombs. This explosion resulted



in the horling of heavy showers of cosmic radiation toward the Earth. In his explanation he said: "The rise in cosmic radiation commenced at 3.45 am Greenwich time and lasted roughly two hours. The increase experienced by the Earth is regarded as the largest in lustury."

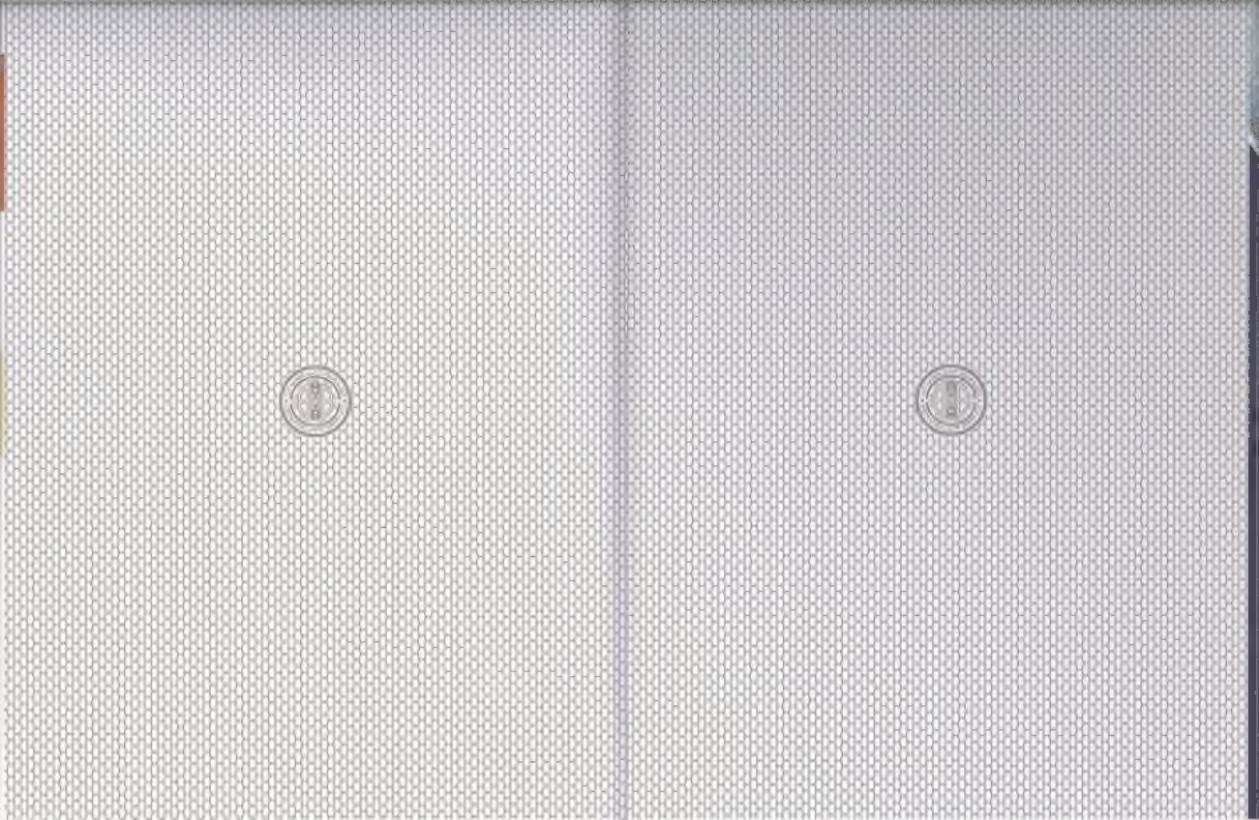
He describes the explosion as having occurred in a zone (of the sun) greater than the surface area of the Earth and the strength (of the explosion) was so strong that human imagination cannot contemplate its (resulting) cosmic radiation. The body of every man, woman, child and any living being received double the normal amount of radiation coming from any direction of the universe.

However, the Harvard Observatory broadcasted an explanation in which Dr. Donald Mitzel, its director, said: The explosion which occurred in this sun has been recorded on films using a conograph, an instrument for recording heat radiation and light radiation emanating from the Earth. It shows that the force of the explosion is equivalent to one hundred mitton (100,000,000) hydrogen bombs detonated at once and that it is greater than the Earth's gravitational force by over a thousand times. Allah, Most High, Enows best, and is the Most Wise.

Allahar pari dan akalanjaran by Adagus Razzan Harshall







## الإغجاز الغلوري في الارش و في الغلادانند(سيره

Every Prophet had a miracle which he showed to his people and challenged them with. Some of the Prophets even had more than one sign as a definite proof that they were sent by Allah; challenging their nations to bring mything simular to it if they denied it. Every sign given to any of the Prophets was exclusively meant for his people and when he died, his signs ceased to exist

However, one such miraculous sign shall remain, complete and preserved with the command of Allah, until the Doy of Resorrection. This miracle is the immitable Qur'an, the evertasting Book of Allah given to Prophet Muhammad (peace and blessings be upon boro). Anyone who lives after the death of this Prophet of Mercy will be able to see it, read it, and realize for themselves the truth that it contains.

Who was the teacher who taught Prophet Muhammad the scientific facts described by the Qur'an? Did he possess tools of scientific research that enabled him to discover all that? Did he have suplanes and rockets that enabled him to discover what was beyond the sky?

The answer is that He possessed such knowledge that could never be affected by falsehood because it is the word of God. All that he informed us - of the past and present signs in the Universe and within ourselves - has been discovered by science as proven fact, and no doubt, the future signs will be discovered, just as he predicted.



DARUSSALAM

